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1909/10

Muhlenberg College Bulletin

ALLENTOWN, PA.

Vol. IX. FEBRUARY, 1910 No. 2.

CATALOGUE

1910

1909-

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UNIVERSITY OF ILLINOIS

PRESIDENT'S OFFICE.

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President John A. W. Haas, D.D. Dean George T. Ettinger, Ph.D.

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MUHLENBERG COLLEGE

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CATALOGUE

OF

MUHLENBERG COLLEGE

ALLENTOWN, PA.

FOR THE

FORTY-THIRD COLLEGIATE YEAR

1910

UNIVERSITY OF ILLINOIS

PRESIDENT'S OFFICE

ALLENTOWN, PA.
1910

COLLEGE CALENDAR.

1909-1910.

Sept. 9 .....First Term began. Entrance Examinations.
Nov. 24-29 .....Thanksgiving Recess.
Dec. 22 .....Christmas Vacation began.

1910.

Jan. 4 ..... Christmas Vacation ends.
Jan. 18 .....Semi-annual Board Meeting.
Jan. 24-28 .....First Term ends; Mid-year Examinations.
Feb. 22 .....Washington's Birthday.
Mar. 23-29 .....Easter Recess.
May 16-20 .....Final Examination of Senior Class.
June 6-10 .....Examination of lower classes for promotion.
June 12 .....Baccalaureate Sermon.
June 13-14 .....Examination for admission to the college classes.
June 13 .....President's Reception to the Senior Class.
June 14 .....Junior Oratorical Prize Contest, at 3 p. m.
June 15 ... .Annual Board Meeting, at 1.30 p. m.
June 16 .....Commencement and Conferring of Degrees, at 10 a. m.

SUMMER VACATION.

1910-1911.

Sept. 8 .....First Term begins.
Nov. 23-28 .....Thanksgiving Recess.
Dec. 21 .....Christmas Vacation begins.

1911.

Jan. 3 .....Christmas Vacation ends.
Jan. 23-27 .....First Term ends; Mid-year Examinations.
April 12-18 .....Easter Recess.
June 11-15 .....Commencement Week.

BOARD OF TRUSTEES.

Term Expires.

1911	Mr. Enos R. Artman	Philadelphia.
1912	Rev. James L. Becker	Lansdale.
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1911	Rev. James O. Schlenker	Hazleton.
1911	Rev. Theodore E. Schmauk, D.D	Lebanon.
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1911	Rev. Samuel G. Weiskotten, D.D	Brooklyn, N. Y.
1911	Reuben D. Wenrich, M.D	Wernersville.
1912	Rev. J. E. Whitteker, D.D	Lancaster.
1911	Mr. P. H. Wohlsen	Lancaster.
1910	Mr. Edward M. Young	Allentown.
1912	Rev. Samuel A. Ziegenfuss, D.D	Philadelphia.

OFFICERS AND COMMITTEES OF THE BOARD.

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REV. W. D. C. KEITER, *Secretary of the Board.*
OSCAR F. BERNHEIM, *Treasurer and Registrar, Allentown, Pa.*

CENTRAL EXECUTIVE COMMITTEE.

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REV. W. D. C. KEITER, *Secretary.*
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D. D. FRITCH, M.D.
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REV. J. O. SCHLENKER.

FACULTY AND INSTRUCTORS.

REV. JOHN A. W. HAAS, D.D.
President's Residence, Campus.

President; Professor of Religion and Philosophy.

A. B., University of Pennsylvania, 1884; A. M., and B.D., University of Pennsylvania, 1887; Graduate Work, University of Leipsic, 1887-88; D.D., Thiel College, 1902.

GEORGE T. ETTINGER, PH.D.
433 Union Street.

Dean; Professor of the Latin Language and Literature, and Pedagogy.

A. B., Muhlenberg College, 1880; A. M., Muhlenberg College, 1883; Ph.D., New York University, 1891.

REV. WILLIAM WACKERNAGEL, D.D.
626 Chew Street.

Chaplain; Professor of Modern Languages and Literature.

A. M., Muhlenberg College, 1882; D.D., University of Pennsylvania, 1883.

REV. JOHN A. BAUMAN, PH.D.
399 Turner Street.

Librarian; Professor of Mathematics and Astronomy.

A. B., Muhlenberg College, 1873; A. M., Muhlenberg College, 1876; Ph.D., Muhlenberg College, 1894.

ROBERT C. HORN, A.M.
462 Walnut Street.

Mosser-Keck Professor of the Greek Language and Literature.

A. B., Muhlenberg College, 1900; A. M., Muhlenberg College, 1903; A. M., Harvard University, 1904; Graduate Work, Johns Hopkins University, 1900-1901; Harvard University, 1903-1904; 1907-1908.

WILLIAM H. REESE, M.S.
227 North Fourteenth Street.

Asa Packer Professor Natural and Applied Sciences.

Ph.B., Lafayette College, 1896; M. S., Lafayette College, 1899; Graduate Work, Lafayette College 1897-1902; New York University, 1902-1903; 1908-1909.

CLEMENT A. MARKS, Mus.D.
43 North Jefferson Street.
Professor of Music.
Mus.D., Muhlenberg College, 1909.

ROBERT R. FRITSCH, A.M.
1232 Turner Street.
Instructor in Modern Languages.
A. B., Muhlenberg College, 1900; A. M., Muhlenberg College, 1903; A. M., Illinois Wesleyan University, 1907; Graduate Work University of Pennsylvania, 1910.

ROBERT M. SMITH, A.M.
124 South Sixth Street.
Instructor in English.
A. B., Amherst College, 1908; A. M., Columbia University, 1909.

H. MILTON ELLIS, A.M.
124 South Sixth Street.
Instructor in English.
A. B., University of Maine, 1907; A. M., University of Maine, 1908; A. M., Harvard University, 1909.

NILS A. OLSEN, A.M.
1232 Turner Street.
Instructor in History.
A. B., Luther College, 1907; A. M., University of Wisconsin, 1909; Graduate work, Johns Hopkins University, 1907-1908; University of Wisconsin, 1908-1909.

HARRY D. BAILEY, A.B.
1734 Chew Street.
Instructor in Biology.
A. B., Lafayette College, 1904.

CHARLES W. SMITH,
532 Turner Street.
Professor of Physical Education.

WILLARD D. KLINE, M.D.
24 North Eighth Street.
Examining Physician.
A. B., Muhlenberg College, 1897; A. M., Muhlenberg College, 1900; M. D., Jefferson Medical College, 1901.

SPECIAL LECTURES.
IN 1909

PROF. R. K. BUEHRLE, PH.D., LANCASTER, PA.
OPENING ADDRESS.

PROF. A. V. WILLIAMS JACKSON, L.H.D., COLUMBIA UNIV.
"AN EVENING WITH THE PERSIAN POETS."

PROF. CHARLES GRAY SHAW, PH.D., NEW YORK UNIVERSITY.
"CULTURE AND THE AMERICAN COLLEGE."

PROF. HERMAN V. AMES, PH.D., UNIVERSITY OF PENNSYLVANIA.
"PECULIAR LAWS AND CUSTOMS OF COLONIAL DAYS."

PROF. WILLIAM I. HULL, PH.D., SWARTHMORE COLLEGE.
"INTERNATIONAL ARBITRATION."

PROF. SAMUEL C. SCHMUCKER, PH.D., WEST CHESTER, PA.
"SOME INTERESTING SUPERSTITIONS."

PROF. GUSTAV STRAUBENMILLER, L.H.D., NEW YORK CITY
"SOME ASPECTS OF THE NEW YORK SCHOOLS."

PROF. CORNELIUS WEYGANDT, PH.D., UNIVERSITY OF PA.
"THE CELTIC RENAISSANCE."

PROF. ARTHUR W. GOODSPEED, PH.D., UNIVERSITY OF PA.
"WIRELESS TELEGRAPHY."

PRESIDENT EDWIN E. SPARKS, LL.D., STATE COLLEGE.
"AN UNKNOWN PATRIOT."

MUHLENBERG COLLEGE.

This institution was originally called the *Allentown Seminary,* which name it retained until 1864, when, by an Act of the Legislature of Pennsylvania, it was incorporated with full collegiate powers under the title of the "Allentown Collegiate Institute and Military Academy." In the year 1867 its control passed into the hands of a board of trustees, chiefly members of the Evangelical Lutheran Church, who had the charter amended by the Court of Lehigh County, formed themselves into a joint stock company, named the institution MUHLENBERG COLLEGE, after the honored patriarch of the Lutheran Faith in this country, and established a full collegiate course of studies.

Subsequently the institution, by surrender of the stock, and with a charter amended by the proper Court, was put under the direct control of the "Evangelical Lutheran Ministerium of Pennsylvania and Adjacent States." Its trustees are now elected by that body.

LOCATION.

Allentown is beautifully located upon high grounds, a short distance from the confluence of the Jordan Creek and the Lehigh River, fifty-nine miles north of Philadelphia. Few locations combine in a more eminent degree the advantages of accessibility, healthfulness, beautiful surroundings, and adaptation for the pursuit of collegiate study.

The city has frequent and direct communications with New York, Philadelphia, Harrisburg, and the West, and, by the various railroads intersecting here, ready access to all parts of the surrounding country.

COLLEGIATE DEPARTMENT.

TERMS OF ADMISSION.

COURSE IN ARTS.

Candidates for admission to the Freshman Class of the Classical Course, except such as are admitted on certificate from reputable and properly accredited fitting schools, must sustain an examination in the following subjects:

Greek.—Greek Grammar, and Prose Composition as found in White's First Lessons in Greek, and four books of Xenophon's Anabasis. Students not having any Greek may take extra hours in Elementary Greek, but must present advanced German for admission.

Latin.—Latin Grammar, and Prose Composition as found in Collar and Daniel's First Latin Book, four books of Cæsar's Commentaries, four books of Virgil's Æneid, and four orations of Cicero.

English.—English Grammar complete and Rhetoric. Applicants must also have read the books in English prescribed by the "Association of Colleges and Preparatory Schools in the Middle States and Maryland," or equivalents, and be examined on them. In place of part or all of this test, the candidate may present a properly attested exercise-book containing compositions and other written work done in connection with the reading of the books.

1909-11.—The list of books recommended for College Entrance Requirements in English for the years 1909-1911 is made up into six groups, and one or two books are to be selected from each group, as indicated on the following pages.

READING AND PRACTICE.

Group I (two to be selected).—Shakespeare's As You Like It, Henry V, Julius Cæsar, Merchant of Venice, Twelfth Night.

Group II (one to be selected).—Bacon's Essays; Bunyan's Pilgrim's Progress, Part I; The Sir Roger de Coverly Papers in "The Spectator"; Franklin's Autobiography.

Group III (one to be selected).—Chaucer's Prologue; Spenser's Faerie Queene (selections); Pope's Rape of the Lock; Goldsmith's The Deserted Village; Palgrave's Golden Treasury (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group IV (two to be selected).—Goldsmith's The Vicar of Wakefield; Scott's Ivanhoe; Scott's Quentin Durward; Hawthorne's The House of the Seven Gables; Thackeray's Henry Esmond; Gaskell's (Mrs.) Cranford; Dickens' A Tale of Two Cities; Eliot's (George) Silas Marner; Blackmore's Lorna Doone.

Group V (two to be selected).—Irving's Sketch Book; Lamb's Essays of Elia; De Quincey's Joan of Arc, and The English Mail Coach; Carlyle's Heroes and Hero Worship; Emerson's Essays (selected); Ruskin's Sesame and Lilies.

Group VI (two to be selected).—Coleridge's The Ancient Mariner; Scott's The Lady of the Lake; Byron's Mazeppa, and The Prisoner of Chillon; Palgrave's Golden Treasury (First Series), Book IV, with special attention to Wordsworth, Keats and Shelley; Macaulay's Lays of Ancient Rome; Poe's Poems; Lowell's The Vision of Sir Launfal; Arnold's Sohrab and Rustum; Longfellow's The Courtship of Miles Standish; Tennyson's Gareth and Lynette, Lancelot and Elaine, The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.

STUDY AND PRACTICE.

Shakespeare's Macbeth; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso; Burke's Speech on Conciliation with America, or Washington's Farewell Address, and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson; or Carlyle's Essay on Burns.

German.—German Grammar as found in Joynes-Meissner's Grammar as far as Syntax. Required of all students.

Where no Greek is offered, the following German will be required: Joynes-Meissner's German Grammar, Storm's Immensee, Heyse's L'Arrabbiata, Hauff's Das Kalte Herz, Hillern's Hoeher als die Kirche, Zschokke's Der Zerbrochene Krug, Gerstaecker's Germelshausen, or equivalents.

French.—The following French may be substituted for advanced German: Aldrich and Foster's Grammar, Aldrich and Foster's Reader, Sanderson's Through France and the French Syntax, Bacon's Une Semaine a Paris, Laboulaye's Contes Bleus, Feuillet's Roman d' un Jeune Homme Pauvre, or equivalents. Additions may be made in 1910.

History.—McMaster's Shorter History of the United States, or its equivalent.

Mathematics.—Arithmetic including the Metric System, Wentworth's Higher Algebra through Quadratics, and Wentworth's Plane Geometry.

COURSE IN SCIENCE.

The requirements for admission to the Freshman Class of the Scientific Course are the same as those for the Classical, except that two of the following languages are required: Latin, German, French. The details are stated under the terms of admission to the course in Arts; but in the German Department, beginning with 1910, applicants, in addition to the four texts mentioned above, will be asked to offer Zschokke's Der Zerbrochene Krug, and Riehl's Burg Neideck, or their equivalents.

Physics.—Elementary Physics as found in a work like Mann and Twiss' Physics, with special reference to the Laws of Boyle and Gay-Lussac, Heat, and the common forms of Galvanic Batteries.

COURSE IN PHILOSOPHY.

The terms of admission are the same as those for the Scientific Course.

Candidates for advanced standing, in addition to the above requirements, must sustain a satisfactory examination in the various branches which the class they propose to enter has pursued.

An accurate and thorough acquaintance with the studies required for admission is indispensable.

No student will be received whose moral character is not known or attested to be good, and those coming from other institutions must bring certificates of regular and honorable dismissal.

Applicants will be received upon these conditions at any time, but are urged to present themselves for examination either at the close of the college year in June, or promptly at the opening of the term in September. *Applicants are advised, however, to present themselves in June so that all necessary conditions imposed at that time can be satisfied, if possible, during vacation.*

COURSES OF INSTRUCTION.

There are three courses, under which the various subjects are grouped, the *Classical,* the *Scientific* and the *Philosophical.* With a necessary nucleus of required studies there is combined in the higher classes such a range of electives as may properly be left to the choice of the individual student. But even among electives certain studies are required of or recommended to those who are preparing for theology or medicine. All other students have as wide and free a choice as a liberal or scientific collegiate education, and the attestation which the respective degrees ought justly and historically to give, will wisely permit.

The Course in Arts, ending in the degree A.B., looks to the general liberal culture, which is a prerequisite for any of the learned professions or for specialization of cultural subjects in university work. The studies in the Course in Arts are also those which will most benefit any man seeking a higher education, that is becoming so valuable in any walk of life, and especially the higher business interests of our age.

The Course in Science, ending in the degree B.S., with a broad basis of general knowledge places Modern Languages and Mathematics in the center. It offers a good collegiate preparation for special university work in the Sciences, and is of advantage to the future student of medicine. At the same time it offers a good education for young men who intend devoting themselves to any of the industrial arts.

The Course in Philosophy, ending in the degree Ph.B., is planned in response to a growing demand for a course in which Philosophy, History, Economics and the Modern Languages should hold the most prominent place. This course aims to lay a broad and deep foundation in the subjects con-

sidered essential for a successful career in business or the various professions, while imparting the knowledge, the culture and the training absolutely necessary for the solution of the current problems in philosophy and religion, as well as for the full and satisfactory performance of the daily duties of intelligent citizenship. The course is especially offered and recommended to teachers and young men of more advanced age that have never studied Greek, but otherwise have had sufficient preparation to benefit by the study of the many important subjects so intimately connected with the thought, the culture and the progress of modern life.

Special Courses may be chosen in these departments by those that are qualified to undertake such work with advantage; but this is not generally advisable.

The following is the proposed schedule.

ARTS.

Freshmen:	Hours
Religion I	1
Greek I, II, III	4
Latin II, III, IV	4
English I, II	3
Public Speaking, I	1
Mathematics I, II, III	3
*German I or French I	2
History I	2
Physical Education	2
Sophomores:	
Religion II	1
Greek IV, V	3
Latin V, VI, VII, VIII	3
English III, Public Speaking II	3
History II	2
Mathematics IV, V, VI, VII	2
*German III, or French II	2
Chemistry I, II	2
Physical Education	1

*If a student enters on Advanced French, he will be required to take German two years.

	Hours.
Juniors: (Not less than 14 hours or more than 16 hours.)	
Religion III	1
Philosophy I, II	2
History III	2
English IV	2
Physics I, II	2
ELECTIVES.	
Economics and Sociology I, II (*Recommended*)	2
Greek VII, or IX, or X	2
*Greek VI or VIII	1
Latin IX, X, XIV, XV, XVI, XVII	2
*German V	2
French IV	2
Spanish I	2
History V	2
Pedagogy I, II	2
English V, VI, VII, VIII, XIII	2
Public Speaking III	1
Music I	1
Physics	2
Chemistry III, or IV, or VIII, or IX	2
Biology I, II, III	2
Mathematics VIII	2
Physiography (First Term) I	2
Meteorology (Second Term) II	2
Seniors: (Not less than 14 hours or more than 16 hours.)	
Religion IV	1
Theism; Religion V (First Term)	2
Philosophy IV (Second Term)	2
English IV, V, VI, VII, VIII, IX, X or XI, XII	2
ELECTIVES.	
Greek VII, or IX, or X	2
*Greek VII or VIII	1
Latin XI, XII, XIII, XIV, XV, XVI, XVII	2

*Should be taken by all students who intend studying Theology.

	Hours.
*German VII	2
French VI	2
Spanish II	2
Pedagogy III, IV	2
English IV, V, VI, VII, VIII, IX, X, XI, XII, XIII	2
Public Speaking III	1
Music II	1
History IV	3
Advanced Economics III	2
United States History VIII	2
History of Philosophy III	2
Chemistry V, or VI, or VII, or X	2
Physics III	2
Biology IV, V, VI, VII	2
Geology	2
Mathematics IX or X	2

BACHELOR OF SCIENCE.

Freshmen:	Hours.
Religion I	1
German I, II	4
French I, or Latin II, III, IV	4
Mathematics I, II, III	3
English I, II	3
Public Speaking I	1
History I	2
Latin III, IV	2
(For students who have had Latin.)	
Physical Education	2
Sophomores:	
Religion II	1
French III, or Latin V, VI, VII, VIII	3
German III, IV	3
Mathematics IV, V, VI, VII, VIII	4
English III, Public Speaking II	3
History II	2
Chemistry I, II, IV	2
Physical Education	1

*Should be taken by all students who intend studying Theology.

Juniors: **(Not less than 14 hours or more than 16 hours.)** Hours.

Religion III	1
Philosophy I, II	2
Physics III	2

ELECTIVES.

Economics and Sociology I, II (*Recommended*)	2
Mathematics VIII	2
Chemistry V, VIII	2
Biology I, II, III	4
Physiography (First Term) I	2
Meteorology (Second Term) II	2

Of the above at least two must be chosen.

German VI	2
French V	2
Spanish I	2
Pedagogy I, II	2
English IV, V, VI, VII, VIII, XIII	2
Public Speaking III	1
Music I	1
History III or V	2

Seniors: **(Not less than 14 hours or more than 16 hours.)**

Religion IV	1
Theism; Religion V (First Term)	2
Philosophy IV (Second Term)	2

ELECTIVES.

Chemistry VI, or VII, IX, X	2
Biology IV, V, VI, VII	4
Geology	2
Mathematics IX or X	2

Of the above at least two must be chosen.

German VIII	2
French VII	2
Spanish II	2
History IV	3
Advanced Economics III	2

	Hours.
United States History VIII	2
Philosophy III	2
Pedagogy III, IV	2
English IV, V, VI, VII, VIII, IX, X, XI and XII, XIII	2
Public Speaking III	1
Music II	1

BACHELOR OF PHILOSOPHY.

Freshmen:

	Hours.
Religion I	1
Latin II, III, IV	4
German I, II	4
Public Speaking I	1
English I, II	3
Mathematics I, II, III	3
French I	2
History I	2
Physical Education	2

Sophomores:

Religion II	1
Latin IV, V, VI, VII, VIII, or French III	3
German III, IV	3
English III, Public Speaking II	3
History II	2
Mathematics IV, V, VI, VII	2
Chemistry I, II	2
Physical Education	1

Juniors: **(Not less than 14 hours or more than 16 hours.)**

Religion III	1
English IV and V, VI or VII and VIII	4
Philosophy I, II	2
History III	2
Economics I, II	2

ELECTIVES.

Public Speaking III	1
English V, VI, VII, VIII, XIII	2
German V	2
French IV	2

	Hours.
Spanish I	2
Latin IX, X, XIV, XV, XVI, XVII	2
History V	2
Pedagogy I, II	2
Music I	1
Physics I, II	2
Chemistry IV or VIII	2
Biology I. II, III	2
Mathematics VIII	2
Physiography (First Term) I	2
Meteorology (Second Term) I	2

Seniors: (Not less than 14 hours or more than 16 hours.)

Religion IV	1
Philosophy III	2
Theism; Religion (First Term) V	2
English IV, V, VI, VII and VIII, IX, X, or XI and XII	2
Philosophy (Second Term) IV	2

ELECTIVES.

Public Speaking III	1
English IV, V, VI, VII and VIII, IX, X, XI and XII, XIII	2
Pedagogy III, IV	2
History IV	3
Advanced Economics III	2
United States History VIII	2

Of the above at least two must be chosen.

German VII	2
French VI	2
Spanish II	2
Music II	1
Physics III	2
Chemistry III, VI or VII, or IX, X	2
Biology, IV, V, VI	2
Geology	2
Mathematics IX or X	2

DEPARTMENTS OF INSTRUCTION.

RELIGION.

THE PRESIDENT AND MR. FRITSCH.

Because it believes an intellectual without a spiritual training to be a grave error, Muhlenberg College strives, throughout its entire course, to secure not only a proper study of religion, but also a consistent practice of it. Convinced also that a vague, general religious knowledge is ineffectual, it imparts and inculcates its instructions loyally and specifically. While the position of Muhlenberg College is conservatively Lutheran, and true to the Church which has founded and endowed it, yet it is by no means narrow or exclusive. The work of each day is begun with worship in the Chapel, attendance at which is expected. Attendance upon the morning service of some specified church on the Lord's Day is also required, while connection with Sunday-school, as scholar or teacher, is recommended.

The regular religious instruction begins with an outline of Bible History. All of the courses in the English Bible in their constructive work meet present-day errors. The actual difficulties of the Bible are not overlooked, but honestly studied from the religious centre. But all of this religious study is general and not technically theological. It keeps within the bounds of collegiate work.

I. **An Outline of Biblical History,** giving the historical facts of the Bible. One hour, Freshmen required, by Mr. Fritsch. Outlines of Bible History. Steele.

II. **The English Bible** is now taken up and studied in an historical and literary way, but finally to show the growth of revelation. This first course includes readings and character studies in the *historical books of the Old Testament.* In connection with this and the following courses, *Bible Literature* (Haas) is studied as auxiliary. One hour, Sophomore required, by the President.

III. **The Study of the Old Testament** (English Bible) is continued; the literary, historical and religious place of the *prophets* is indicated; and the *poetry* and *wisdom books* are examined. One hour, Junior required, by the President.

IV. **The New Testament** (English Bible) is partly read to obtain a view of the *life of Christ,* and an outline of *apostolic truth.* One hour, Senior required, by the President.

The Courses in Theism and Christian Evidences serve to answer the great fundamental and apologetic questions of Christianity in a systematic, philosophical method. The confessional attitude of Lutheranism is discussed in a series of lectures on the Augsburg Confession.

V. **Studies in Theism.** The book placed in the hands of students is Prof. Flint on Theism. Among the subjects discussed are: The issues involved in the question; general idea of religion; the nature, conditions and limits of theistic proof; the argument from order; the moral argument; a priori theistic proof; mere Theism insufficient, connecting the argument with the claims for a special revelation. The argument aims to meet the objector on his own ground, and, from a critical study of the universe itself, show the solid basis on which Theism rests. Senior required; first term, two hours. President Haas.

VI. **The Elements of Religion** will be discussed in a series of lectures on "The Augsburg Confession," to be delivered during the Senior Year. The name of the lecturer will be announced in due time. Required of all Lutherans; elective for others.

PHILOSOPHY.

THE PRESIDENT.

The purpose of the courses in Philosophy is to develop the power of clear reasoning and accurate statement, to show the value of philosophical system, familiarize with philosophical terms and indicate the movement of philosophical thought.

The study of Psychology is to prepare for a general understanding of the relation of mind and body. It may be followed in its physiological bearings by the elective in Experimental Psychology (Course VI in Biology). The course in Logic is to show the underlying principles of

thought and science. History of Philosophy presents the great philosophical problems in their historic connections. Ethics is the necessary supplement to general philosophical study, but also has important practical bearings. Pedagogy is occupied with the philosophy of education, and many of its attitudes rest upon general philosophical positions. All these courses look only to general principles, but prepare for detailed post-graduate university work.

I. Psychology. The problems of distinction of psychology from physiology, sensations, perceptions, feeling, thought, volition, the self, etc., are studied in outline, preparing for larger, fuller work. Two hours, first term, Junior required. (Lectures and parallel references to James, Baldwin, Judd.)

II. Logic. This course embraces the principles of deductive and inductive logic. It discusses the concept, judgment, division, classification, syllogisms, fallacies; agreement, difference, causation, hypothesis, analogy, probability, etc. Two hours, second term, Junior required. (Logic Deductive and Inductive, John Grier Hibben; parallel references to Mill's Logic, Jevons, Principles of Science, Davis, Theory of Thought.)

III. History of Philosophy. This course aims to acquaint the student with what are the great philosophical questions, by an outline of philosophy. Special emphasis is put upon Socrates, Plato, Aristotle, and the beginning of modern philosophy from Descartes to Locke is indicated. Two hours, Senior elective, required of students in philosophical course. (Lectures, Readings and Discussions.)

IV. Ethics. A course of the principles of Morality, discussing Hedonism, Rationalism, Eudaemonism, virtue, duty, the conscience, and the practical application of sound, natural morality and the final development of ethics in its highest Christian form. Two hours, second term. Senior required. (Lectures, Readings and Discussions.)

PEDAGOGY.

DEAN ETTINGER.

This department offers a two years' course embracing the History of Education, Educational Psychology, Methodology, and a study of Educational Classics. The History of

Education traces the development of pedagogic thought and theory from the earliest times to the present. This is followed by a study of Psychology with special reference to its relation to education. Under Methodology the educational value of the various subjects usually taught, the proper methods of teaching the same, and the most important questions of school management are discussed. The study of Educational Classics affords scope for criticism and exacts original work by the class. The course in this department is conducted by means of recitations from textbooks, lectures, and original papers by the class.

I. **History of Education.** First term, two hours. Junior elective. (Painter's History, latest edition.)

II. **Educational Classics.** Second term, two hours. Junior elective. (Painter's Educational Classics.)

III. **Educational Psychology.** First term, two hours. Senior elective. (Dexter and Garlick's Psychology in the Schoolroom.)

IV. **Methodology.** Second term, two hours. Senior elective. (Compayre's Lectures on Pedagogy.)

MUSIC.

PROFESSOR MARKS.

This department does not aim to give formal instruction on any specific instrument, much less to turn out so-called "finished musicians." The object of the courses offered is to afford the student a comprehensive knowledge of the theory and history of music so that he can the better appreciate their true place and value as an element of culture in the development of the individual.

I. **The Theory of Music.** The Elements of Music, Harmony, Form. Throughout the year, one hour, elective for Juniors.

II. **The History of Music.** Antiquity, Music of the Early Christian Age, Polyphonic Music, The Lutheran Reformation, Schools of Music, Contemporary Composers, Biography. Throughout the year, one hour, elective for Seniors.

THE ANCIENT LANGUAGES.

DEAN ETTINGER AND PROFESSOR HORN.

GREEK.

PROFESSOR HORN.

The aim of the four years' work is to give the student so firm a grasp of grammar and so large a vocabulary that he will be able with comparative ease to read any ordinary (Attic) Greek text, and at the same time to make him familiar with the best writers of Greece, and to give him an intelligent acquaintance with Greek history, geography, institutions, and culture. The work will be such that a student will be fitted for graduate work at the larger institutions of learning. Throughout the course, stress is laid upon the geography and history of Greece; lectures, some of which will be illustrated by the stereopticon, will be given on these and similar subjects. The department has been recently furnished with the best ancient maps, by Henry Kiepert, and every aid will be afforded the student for geographical work. In the college library there will be reserved many books, to which students will be frequently referred, and which will be in constant use.

The Department is supplied with a number of photographs and lantern slides illustrating Greek art and architecture, history and private life; these will be used for the purpose of instruction.

Each member of every class should own the following books: Goodwin, Greek Grammar, revised edit.; Goodwin, Moods and Tenses of the Greek Verb, new edit.; Kiepert's Atlas Antiquus or Putzger's Historical School Atlas; Liddell and Scott's Greek Lexicon, unabridged, preferably one of the latest editions. Note books will be needed.

BEGINNERS' GREEK. (Four hours a week.)

This course is intended for mature students who enter college without Greek and are eager to make up their loss. The progress is rapid, for the student must master the elements of the language

and read a considerable amount of Xenophon's Anabasis, in connection with which there will be work in Prose Composition. The course will be introductory to I and II.

White's First Greek Book; Goodwin and White's Anabasis; Woodruff's New Greek Prose Composition.

I. Iliad and Herodotus. Two hours a week. Required of Classical Freshmen.

II. Memorabilia. One hour a week. Required of Classical Freshmen.

III. Greek Prose Composition. One hour a week. Required of Classical Freshmen.

The work in the Freshman Class begins with Homer's Iliad, and during the last term Herodotus is read. Particular attention is directed to the language, and the variations from Attic Greek are pointed out. There will be abundant opportunity to review the more difficult parts of the grammar. In connection with the study of Homer instruction and frequent drills in scanning dactylic hexameter are given. One hour a week is given to the study of Xenophon's Memorabilia. The course in prose composition will familiarize the student with idioms, aid him in grammatical study, and enable him to write ordinary connected prose. Some training in Ancient Geography will be given in connection with the reading of Homer and Herodotus. Benner, Selections from the Iliad; Herodotus Book VIII, Schuckburgh; Xenophon's Memorabilia, Smith; Woodruff's New Greek Prose Composition, ed. of 1905.

IV. Plato's Apology and Crito. Three hours a week, first term. Required of Classical Sophomores.

V. Greek Tragedy. Sophocles' Antigone and Euripides' Alcestis. Three hours a week, second term. Required of Classical Sophomores.

The Life of Socrates, to which an introduction was made in Freshman year through Xenophon's Memorabilia, is studied in Plato's Apology and Phaedo. In addition to the reading of the text, topics of interest (such as Plato's style, the form of the dialog, and legal antiquities) will be treated in lectures or reports. Course V affords an introduction to Greek Tragedy. The plays read may be changed from year to year. Besides the reading of two plays in Greek, other plays of the three tragedians will be read in the best English translations and reports made upon them. There will be lectures on Scenic Antiquities, The Origin of the Drama, The Pro-

duction of a Play, and the like. Some private reading is expected. An outline of the History of Greek Literature will be given mainly by lectures and reading, with occasional reports. Plato's Apology and Crito, Dyer; or the revised edition by Seymour; Sophocles' Antigone, D'Ooge; Euripides' Alcestis, Jerram; Plumptre's Translation of Aeschylus; Plumptre's Translation of Sophocles; Jebb's History of Greek Literature.

VI. Greek New Testament. One hour a week. Elective for Juniors and Seniors.

Several books of the New Testament will be read, translated, and studied in class; other portions of the Testament will be read privately. The work is mainly linguistic and literary; variations from Classical Greek usage will be pointed out and discussed. In connection with the course there will be assigned reading and reports on different subjects. (Westcott and Hort's Greek New Testament. Other books will be announced later.) To be omitted in 1910-1911.

VII. Greek Tragedy. Aeschylus and Sophocles. Two hours a week. Elective for Juniors and Seniors.

This is a course of rapid reading and intensive study of Greek Tragedy. At least two plays of Aeschylus, and two of Sophocles will be read in class. There will be some sight reading of other plays, collateral reading on the Greek Drama and the Greek Theatre, and reports and lectures on special subjects. The purpose of the course is to give a good and appreciative knowledge of Greek Tragedy. This course will be omitted in 1910-1911. Aeschylus' Seven against Thebes, Sidgwick; Aeschylus' Agamemnon, Sidgwick; Sophocles' Oedipus Tyrannus, Earle; Sophocles' Philoctetes, Jebb-Shuckburgh.

VIII. Greek History. One hour a week. Elective for Juniors and Seniors. The course will consist of required reading, lectures and reports. Some of the reading will be in the original Greek. To be omitted in 1910-1911.

IX. Aeschines Against Ctesiphon and Demosthenes de Corona. Two hours a week. Elective for Juniors and Seniors.

A study of oratory and the history of the period. Rapid reading of the Greek is required. Some attention will be given to other speeches of Demosthenes. The student should read beforehand chapters 86 to 90 and 95 of Grote's History of Greece. Richardson's Aeschines against Ctesiphon and Demosthenes On the Crown, D'Ooge. To be omitted in 1911-1912.

X. Lyric Poetry and Aristophanes. Two hours a week. Elective for Juniors and Seniors.

During the first term selections from the Elegiac, Iambic, and Lyric poets will be read; this will be accompanied with explanatory lectures and required reading. The second term will be devoted to the study of Greek Comedy and the reading of several plays of Aristophanes. The books needed in the course will be announced later. To be omitted in 1911-1912.

LATIN.

DEAN ETTINGER.

The courses offered in this department are intended to afford the student such a knowledge of the language, the thought, the life and the antiquities of the Roman people and the "Eternal City" as an intelligent cultured American of to-day may be justly expected to possess. Without aiming to train Latin philologians or Roman archæologists, which is altogether the business of the university, Muhlenberg College offers such courses based on the study of the masterpieces of Roman Literature as will afford an accurate and comprehensive survey of the character, the history and the achievements of this wonderful people, the important part they played in the development of the human race and their contributions to the Modern Languages, literatures, jurisprudence and government in general. The work in this subject furthermore aims to lay the broad and deep foundations so necessary for successful post-graduate study.

That the student may receive the fullest benefit from the courses in this department, it is absolutely essential that he bring with him, when entering college, such a knowledge of the fundamentals of Latin Grammar and elementary Latin prose composition together with a fair and ready command of the vocabulary of the Roman speech as will enable him to take an active and intelligent part in the work of the classroom. In this connection we cannot too strongly emphasize the importance of honest and sufficient work in the preparatory school.

The work of the earlier part of the Freshman year, of necessity, partakes somewhat of the character of preparatory work, as the members of the class coming from various schools with various degrees of preparation must first be drilled into as homogeneous a body of workers as circumstances permit. Hence special stress is laid on grammatical forms, analysis of sentences, idiomatic expressions and the derivation of words. In connection with the reading of standard authors like Livy and Cicero, Latin prose composition and the grammar are studied throughout the year.

In the Sophomore year the odes, satires, epistles and Ars Poetica of Horace furnish the main material for translation into English, and Roman History and Latin Literature will be studied by means of text-books, lectures and dissertations.

In the Junior year Cicero's De Oratore affords an introduction to the consideration of Roman oratory, while Roman comedy is represented by the best of the plays of Plautus and Terence.

During the Senior year the Germania and the Agricola of Tacitus will be translated and discussed, to be followed by a study of Roman Philosophy, based on a study of the De Rerum Natura of Lucretius.

Should any spare time for translating remain, it will be devoted to reading selections from the Church Fathers. Roman Antiquities will be illustrated by means of photographs, stereopticon views and a series of dissertations on the principal subjects in this course. There will also be offered elective courses in Early Latin, Roman Archæology, Roman Law and Latin Literature in the English Language.

In all the work of the Latin Department special attention will constantly be paid to the translation of the texts into idiomatic English and to the derivation of English words from the Latin. Thus the student, while learning Latin, at

the same time will also enlarge and enrich his knowledge of the mother tongue.

[Allen and Greenough's Latin Grammar is used as the general authority and all students are urged to provide themselves with Harper's Larger Latin Dictionary, as the smaller dictionaries will not suffice for the work in the higher classes. The Roman system of pronunciation is used.]

I. Beginners' Latin. Especially offered for the benefit of students of more advanced years who have the ability and the determination to fit themselves for more extended work in Latin. Text books selected to suit conditions. First term, four hours a week. Freshman year.

II. Cicero. De Amicitia, and De Senectute. With special attention to the vocabulary, forms and construction. First term, three hours. Required of all Freshmen, except Philosophical students not taking Latin. (Bennett's De Amicitia and De Senectute.)

III. Livy. Selections from Books I, XXI and XXII. The history of the Punic Wars. With special attention to the idioms and the derivation of words. Second term, three hours. Required of all Freshmen, same as II. (Westcott's Livy.)

IV. Latin Grammar and Prose Composition. A careful review of the grammar combined with original work in composition on the part of the student. Throughout the year, one hour. Required of all Freshmen, same as II. (Allen and Greenough's Latin Grammar. Arnold's Latin Prose, revised by Bradley.)

V. Horace. Odes and Epodes. Selections with special study of the biographical, historical and mythological allusions and frequent practice in scanning the meters of Horace. First term, two hours. Required of all Sophomores taking Latin. (Bennett and Rolfe's Complete Horace.)

VI. History of Rome. A careful survey of Roman History with special emphasis on the leading events. First term, one hour. Required of all Sophomores taking Latin. (Botsford's Rome.)

VII. Horace. Satires and Epistles, especially the Ars Poetica. Selections with special reference to the beauty of thought, the felicity of expression and the philosophical value of the works of Horace. Second term, three hours. Required of all Sophomores taking Latin. (Bennett and Rolfe's Horace.)

VIII. Roman Literature with Dissertations. The study of a good text-book supplemented with original dissertations on the leading Latin authors read before the class. Second term, one hour. Required of Sophomores taking Latin. (Mackail's Latin Literature.)

IX. Cicero. De Oratore. Selections with a survey of Roman oratory and special reference to the rhetorical value of the work. First term, two hours. Required of Juniors taking Latin. (Owen's De Oratore.)

X. Plautus and Terence. The Captives and the Andria, with an introductory study of Roman Comedy. Second term, two hours. Required of Juniors taking Latin. (Elmer's Captivi and Fairclough's Andria.)

XI. Tacitus. The Germania and the Agricola. With a special study of the purpose of these works and the conditions of the period of Roman History. First term, two hours. Senior elective. (Church and Brodribb's Agricola and Germania.)

XII. Lucretius. Selections from De Rerum Natura with a survey of Roman Philosophy. Second term, two hours. Elective. (Lee's Lucretius, Books I-III.)

XIII. Roman Antiquities with Dissertations. Assigned topics will be treated in original dissertations to be read before the class, throughout the year in connection with the Senior courses in Latin. Required of such Seniors as intend to study theology; elective for others.

XIV. Latin Literature in English. For this course no knowledge of Latin is necessary. It will treat the subject as literature to be studied in standard and idiomatic English translations. Elective for all Juniors and Seniors.

XV. Roman Law. An elementary survey of the subject with special reference to its relations to modern law. Elective for Juniors and Seniors taking Latin. (Hadley's Lectures and Robinson's Roman Law.)

XVI. Early Latin. Latin Inscriptions. Elective for Juniors and Seniors taking Latin. (Lindsay's Latin Inscriptions.)

XVII. Roman Archæology. Elective for Juniors and Seniors taking Latin.

ENGLISH.

MR. SMITH AND MR. ELLIS.

The English course in Muhlenberg College presupposes a thorough training in English grammar and rhetoric in the preparatory schools, together with the usual amount of study and reading in English and American literature required for admission to colleges.

The aim of the department is to cover as fully as possible the entire field of English and American literature and to supplement the work of the preparatory schools with a thorough training in the proper use of the English language.

I. History of the English Language. The English language in its relation to the other branches of the Indo-European family, with a careful study of its sources, growth and development. Freshmen required. One hour a week throughout the year. Mr. Ellis.

II. Composition and Rhetoric. Weekly themes on assigned subjects, together with a careful study of the principles of rhetoric as applied to narration, description, exposition, and argumentation. Freshmen required. Two hours a week throughout the year. Mr. Ellis.

III. History of English and American Literature. A general survey of the literary history of England and America, with assigned reading in the different periods covered and individual reports on special topics. Sophomores required. Two hours a week throughout the year. Mr. Ellis.

IV. The Rise and Development of the English Drama (from the beginning to the death of Shakespeare). Required of all Juniors except scientific students. Open to Seniors as an elective. Two hours a week throughout the year. Mr. Smith.

V. The Rise and Development of the English Novel. Junior and Senior elective. Two hours a week throughout the year. Mr. Smith.

VI. American Prose and Poetry. A critical study of the chief writers of the nineteenth century. Junior and Senior elective. Two hours a week throughout the year. Mr. Smith. (Not given in 1910-11.)

VII. Anglo-Saxon. Anglo-Saxon grammar and reading of easy prose and poetry. Senior and Junior elective. Two hours a week, first term. Mr. Ellis.

VIII. Beowulf. A careful study of the great Anglo-Saxon epic. Senior and Junior elective. Two hours a week, second term. Mr. Ellis. (Course VIII must be preceded by Course VII or its equivalent.)

IX. English Romantic Movement (1688-1832). Critical study of Pope, Cowper, Burns, Byron, Keats, Shelley, and Wordsworth. Open only to specially qualified Seniors. Two hours a week throughout the year. Mr. Smith. (Not given in 1910-11.)

X. Victorian Literature (1832-1909). Critical study of the principal Victorian poets and essayists. Open only to specially qualified Seniors. Two hours a week throughout the year. Mr. Smith.

XI. Chaucer. A careful study of the Prologue and some of the Canterbury Tales, together with a brief survey of English literature from 1066 to 1400. Senior elective. Two hours a week, first term. Mr. Ellis.

XII. Spenser. The Faerie Queene of Spenser, with a survey of English literature from 1400 to Shakespeare. Senior elective. Two hours a week, second term. Mr. Ellis.

XIII. Advanced Composition. Senior and Junior elective. One hour a week, first term. Mr. Smith. (Course XIII supplements Public Speaking III.)

PUBLIC SPEAKING.

I. Freshmen. This course is devoted to a practical drill in reading and speaking. Special attention is paid to vocal training, enunciation, pronunciation and interpretation. One hour a week; rehearsals required. First term. Mr. Smith.

II. Sophomores. Practice in the preparation and delivery of speeches and declamations. One hour a week; rehearsals required. Second term. Mr. Smith.

III. Seniors and Juniors. Practice in the preparation and delivery of orations and debates. Elective. One hour a week. Second term. Mr. Smith. (Course III supplements English XIII.)

In all these courses in public speaking every effort is made to accustom the student to speak in public and express himself correctly with special emphasis on the development of naturalness.

THE MODERN LANGUAGES.

PROFESSOR WACKERNAGEL AND MR. FRITSCH.

The study of the Modern Languages is a regular part of the College Course. This department receives a full proportionate share of time and attention, and stands upon the same basis in this respect as Greek, Latin, or English. German, French and Spanish are taught both as living languages to be acquired as a medium of communication and as treasure-houses of scientific, theological and literary material, the key to whose wealth must be owned and readily used by the post-graduate student. Our experience enables us to assert that any student of respectable intellect and industry can acquire the ready use of these languages for conversation, business, or discourse, by embracing the advantages offered him in this department.

In addition to this practical study, a considerable portion of time is given to the direct study of Literature, and of selected works of the greatest authors.

GERMAN.

I. Joynes-Meissner's German Grammar, Part 2. Wackernagel's Lesebuch, Vol. 2. Frommel's Eingeschneit. Heyse's Hochzeit auf Capri. Mosher's Willkommen in Deutschland. Freshmen required, unless French is taken. Two hours a week. Mr. Fritsch.

II. Gore's German Science Reader. Hodges' A Course in Scientific German. Required of Scientific and Philosophical Freshmen. Two hours a week. Mr. Fritsch.

III. Lambert's Alltaegliches. Schiller's Wilhelm Tell. Schiller's Der Neffe als Onkel. Goethe's Hermann and Dorothea. Sophomore required, unless French is taken. Two hours a week. Mr. Fritsch.

IV. Lassar-Cohn's Die Chemie im Taeglichen Leben. Required of Scientific and Philosophical students. One hour a week. Mr. Fritsch.

V. Lessing's Minna von Barnhelm. Goethe's Iphigenia auf Tauris. Freytag's Die Journalisten. Essays. Junior Philosophical and Classical elective. Two hours a week. Mr. Fritsch.

VI. Wait's German Science Reader. Dippold's Scientific German Reader. Du Bois-Reymond's Wissenschaftliche Vortraege. Junior Scientific elective. Two hours a week. Prof. Wackernagel.

VII. Freytag's Doktor Luther. Max Mueller's Deutsche Liebe. Calvin Thomas' History of German Literature. Fossler's Material for Practical German Conversation. Essays. Senior Classical and Philosophical elective. Two hours a week. Professor Wackernagel.

VIII. Bock's Buch vom gesunden und kranken Menschen (17th edition.) Senior Scientific elective. Two hours a week. Professor Wackernagel.

FRENCH.

I. Aldrich & Foster's Grammar and Reader. Freshman Classical elective. Required of students in Philosophical course. Two hours a week.

II. Aldrich & Foster's Grammar. Mariotte-Davis' Elementary Scientific French Reader. Required of Scientific Freshmen. Two hours.

III. Sanderson's Through France and the French Syntax. Bacon's Une Semaine a Paris. Laboulaye's Contes Bleus. Feuillet's Roman d'un Jeune Homme Pauvre. Sophomore Classical elective. Two hours a week. Professor Wackernagel.

IV. Sanderson's Through France and the French Syntax. Bacon's Une Semaine a Paris. Mueller's Grandes Decouvertes. Scientific Sophomores. Two hours a week required. Professor Wackernagel.

V. Newson's French Daily Life. Labiche & Martin's Poudre aux Yeux. Meilha & Halevy's L'Ete de la Saint Martin. Chateaubriand's Atala. Classical and Philosophical Junior elective. Two hours a week. Professor Wackernagel.

VI. Newson's French Daily Life. Bowen's Scientific Reader. Luguiens' Popular Science French Prose. Scientific Junior elective. Two hours a week. Professor Wackernagel.

VII. Dowden's History of French Literature. Halevy's L'Abbe Constantin. Pierre Loti's Selections. Racine's Athalie and Esther. Classical and Philosophical Senior elective. Two hours a week. Professor Wackernagel.

VIII. Dutilleul and Rame's Sciences physiques et naturelles. Faideau and Robin's L'Homme. Scientific Senior elective. Two hours a week. Professor Wackernagel.

SPANISH.

I. Worman and Bransby's First and Second Spanish Book. Loiseaux's Spanish Grammar and Reader. The Spanish New Testament. Elective for all Juniors. Two hours a week. Professor Wackernagel.

II. Asensi's Victoria. Taboada's Cuentos Alegros. Echegaray's O Locura o Santitad. Fitzmaurice-Kelley's History of Spanish Literature. Bonilla's Daily Spanish Life. Two hours a week. Professor Wackernagel.

HISTORY.

MR. NILS A. OLSEN.

This department aims in its three years of required work to give the student a comprehensive and progressive survey of the development of Western Europe. Emphasis is placed upon the continuity of history, and those factors and forces of the past which condition modern life. In the early part of the course special stress is placed upon methods of study.

I. **Mediaeval History (395-1122).** A general survey of conditions in the later Roman Empire, the establishment of Christianity, the Germanic peoples and invasions, the rise and spread of the Mohammedan power, the gradual union of the Papacy and the Frankish kingdom, the empire of Charlemagne, feudalism, the German-Roman Empire, the Investiture Struggle. Special effort is made to teach the student proper methods of study. Text-books, syllabic lectures, required reading, topics, maps, oral and written recitations are employed in the instruction. It is hoped the student will cultivate the habit of independent reading beyond required amounts. Two hours a week. Required of Freshmen.

II. **Mediaeval History (1122-1492).** A study of the Crusades, the Popes and the Hohenstaufens, rural and town life, "the renaissance of the twelfth century," the decline of the Holy Roman Empire, the rise and growth of monarchical states, the Renaissance. Lectures, text-book, collateral reading. Two hours a week. Required of Sophomores.

III. **Modern European History.** A study of the political, economic, religious, intellectual and social movements of western Europe from

the close of the fifteenth century to the present day. The mediaeval background is kept in mind throughout. Special emphasis is placed upon assigned reading and papers. Lectures and collateral reading. Two hours a week. Required of Juniors.

IV. **American History to the Adoption of the Federal Constitution.** A study of the European background, the methods of colonization, the social, economic and institutional development of the English colonies, the westward movement, and the growth towards independence and union. The student will be introduced to the methods of research work. Lectures and collateral reading. Three hours a week. Elective for Seniors.

V. **History of Greece.** See Greek course.

VI. **History of Rome.** See Latin course.

ECONOMICS AND SOCIOLOGY.

I. Principles of Economics. The course aims to acquaint the student with the growth of economic life and institutions with special reference to the United States. The accepted principles of the science are explained and discussed with reference to their practical application. Class discussions will aim to promote an interest in current economic literature. Text, collateral reading and papers. Two hours a week throughout the first term. Philosophical Juniors required, and elective for all others.

II. History of Economic Thought. A preliminary survey of the systems of economic thought from ancient to modern times, is followed by a more intensive study of the individual theories from Adam Smith to the present day. The theories of production, rent, wages, interest, profits and value are traced through the various phases of their development to their present form. The influence of political and industrial conditions upon economic thought is emphasized. Lectures and collateral reading. Two hours a week. Senior elective.

III. Sociology. This course embraces a study of the principles of sociology. Text, reports, assigned readings. Philosophical Juniors required, and elective for all others. Two hours a week throughout the second term.

MATHEMATICS.

PROFESSOR BAUMAN.

This department aims at the following results:

1. To train the mind to reason clearly and logically.

2. To teach the student to be exact, quick of comprehension, and systematic in presentation.

3. To impart facility in applying mathematical principles to practical problems.

4. To lay the foundation for future special work in the various branches of the subject.

I. **Higher Algebra.** Radicals, imaginary quantities, quadratic equations, proportion, progressions, binomial theorem, logarithms, permutations and combinations, series, theory of equations, including graphical representation of functions, and Horner's Theorem. Two hours a week for the whole of the Freshman year. Wentworth's Higher Algebra.

II. **Solid Geometry.** Lines and planes in space, polyhedral angles, prisms, pyramids, similar polyhedrons, cylinders, cones, prismatoid formula, numerous practical problems. One hour a week for the Freshmen during fall and winter. Wentworth's Revised Solid Geometry.

III. **Plane Trigonometry.** Trigonometrical functions, solutions of right triangles, practical applications. One hour a week for Freshmen during the spring. Wentworth's Plane Trigonometry.

IV. **Spherical Geometry.** Sections of spheres, tangents to spheres, spherical triangles, measurement of spherical surfaces and volumes, practical applications. (See under VII.)

V. **Trigonometry.** Goniometry, solutions of plane oblique triangles, numerous practical applications in the measurement of lights and distances, right and oblique spherical triangles, applications to astronomical problems. (See under VII.)

VI. **Surveying.** Land surveying, triangulation, leveling, railroad surveying, many practical problems and some illustrative field work. (See under VII.)

VII. **Navigation.** Plane sailing, parallel and middle latitude sailing, traverse sailing; some nautical astronomy. The last four courses are taken in succession twice a week during the Sophomore year. Wentworth's Trigonometry, Surveying and Navigation.

VIII. **Analytical Geometry, Plane and Solid.** This includes loci and their equations, straight line, circle, parabola, eclipse, hyperbola, and the higher plane curves in plane analytical geometry; and the point, plane, line, and surface in the solid. Required of all Scientific students in the Sophomore year. Elective for all others in the Junior year. Two hours a week. Wentworth's Analytical Geometry.

IX. **Calculus.** Differentiation of algebraic and transcendental functions, successive differentiation, Maclaurin's theorem, Taylor's theorem, maxima and minima, tangents and normals to curves, singular points, evolutes and involutes, integration of monomials, binomials, rational fractions and infinite series. Two hours a week. Senior elective.

X. **General Astronomy.** This course includes a thorough study of the facts and theories of astronomy together with mathematical demonstrations. The study is illustrated by field work with a good portable four-inch telescope. Two hours a week during Senior year. Young's General Astronomy. Elective.

PHYSIOGRAPHY AND METEOROLOGY.

I. **Physiography.** This course is elective and is especially intended for those who owing to circumstances cannot elect Geology, Astronomy, and Meteorology as principal subjects, and yet desire a fair knowledge of the facts and principles of these sciences. Two hours a week for the first term of the Junior year. Hinman's Eclectic Physical Geography.

II. **Meteorology.** This embraces the elements of the science as given in Davis' Elementary Meteorology, together with practical work. Elective, two hours a week in the second term of the Junior year.

DEPARTMENT OF NATURAL AND APPLIED SCIENCE.

PHYSICS AND CHEMISTRY.

PROFESSOR REESE.

The course in Physics and Chemistry is intended to be intensive rather than extensive. The endeavor is made to teach *thoroughly* and impart a clear-cut knowledge of the *fundamentals* of the above-named sciences. The attention of the student is also directed to their practical applications.

The primary object of the course in physics and chemistry is to furnish the classical student a basis for the explanation of the phenomena presented to him in his daily life. The elective work will prepare the student for advanced work after graduation.

In the laboratories the student receives the *personal* attention of the professor during the laboratory period. The laboratories are open, however, from eight a. m. to five p. m. every day, so that work may be done during any part of the day, provided that it will not interfere with other classes.

Stress is laid on the keeping of a notebook on both the lecture and laboratory work. The notebooks are carefully corrected and returned to the student with suggestions and references to the work in hand. If the laboratory work be poorly done, it will be repeated until good results are obtained. But if after earnest effort the pupil cannot find the error the professor will review with him that part of the work in which the error occurs.

The Physical Department has a good equipment. A stereopticon with vertical attachment, optical bench and accessories for same, together with 700 slides illustrative of physics and chemistry, especially the industrial side, is at the disposal of the department.

The department is equipped with a reflecting goniometer by Fuss, a set of 80 crystalline models in wood by Carl Krantz, of Berlin, set of minerals illustrating complete physical characteristics, and Sartorius specific gravity balance, refractometer, Babcock milk apparatus, etc.

PHYSICS.

I. **General Physics.** Lectures and recitations. The endeavor is made to present the subject in such a way that its different branches may be correlated in one science of energy. The lectures are illustrated and all the experiments planned to keep the above object in view. Junior year. Required of Classical students. Two hours.

II. **Laboratory Work in General Physics.** The experiments are for the most part quantitative in character and give practice in mechanics, heat, light, electricity and sound. The laboratory work will be prefaced by several lectures on methods, determination and use of data, graphic methods, interpretation of results, etc. No special manual is used, the student being referred to various standard manuals for his work. Junior year. Required of all Classical students.

III. **College Physics.** Standard college course with laboratory work. Junior year. Scientific or elective for students with equivalent of I. A Text-book of Physics. Ames.

CHEMISTRY.

PROFESSOR REESE.

I. **General Course.** Lectures, recitations. The work of the first term is devoted to the laws and theories on which the science is built. The remainder of the year is devoted to the study of the metals, their occurrence, preparation and industrial value. Sophomore year. Required of all students. Two hours. Text-book: Descriptive Chemistry (Newell).

II. **Laboratory Work in General Chemistry and Elementary Qualitative Analysis.** The separation of the more common metallic and acid radicals forms a basis of the laboratory work. The endeavor is made to have the work so done that the student will be enabled to analyze any common inorganic material given him. Sophomore year, first term. Required of all.

III. **Qualitative Analysis.** Advanced course. This will include a study of the rare elements and the separation of all of the acid radicals. Prerequisite I, II. Senior elective.

IV. **Quantitative Analysis.** The course will be divided into three parts: (1) Calibration of weights, flasks, etc. (2) Volumetric analysis. (3) Gravimetric analysis. While the more familiar determinations in these groups will be required, the amount of ground covered in each will depend on the student's ability and the time he can devote to the subject. Prerequisite I, II. Text-book for groups two and three, Quantitative Analysis (Talbot). Required of Scientifics, elective for others. Sophomore year, second term.

V. **Sanitary Chemistry.** This course will include the analysis of water, milk, butter, some food stuff and air. The various methods

for the destruction of algae, the plant and animal forms harmful to water supplies, and the application of geology to the sanitary survey will be taken up in detail. Lectures and laboratory work. Prerequisite I, II, VI, VII. Text-books: Mason's "Water Analysis," Richards and Woodman's "Air, Water and Food." References to standard texts for other sections of subject. Senior elective.

VI. **Technical Analysis of Cement and Iron.** Senior elective. Prerequisite I, II, III.

VII. **Technical Gas Analysis and Assaying.** Senior elective. Prerequisites I, II, IV.

VIII. **Organic Chemistry.** Lectures, recitations and laboratory work. The lecture and laboratory courses combined give a thorough knowledge of the elementary compounds of carbon. Junior year. Required of Scientifics; elective for others. Two hours. Text-book: Organic Chemistry, Perkins and Kipping. Prerequisite, I, II.

IX. **Organic Synthesis.** Senior elective. Prerequisite I, II, IV, VIII.

X. **Physical Chemistry.** Lectures and laboratory work. Senior year. Required of Scientifics, elective for others.

GEOLOGY.

MR. BAILEY.

As the time is limited, hand specimens from the museum will be used to illustrate the more common rock formations, instead of field work. Structural, dynamic and historical geology will follow. Most of the lectures are illustrated with lantern slides and hand specimens. Senior year. Elective.

DEPARTMENT OF BIOLOGY.

MR. H. D. BAILEY.

The courses of the Biological Department have been so arranged as to offer work to the students throughout the Junior and Senior years.

The courses have been so designed as to meet the requirements of those students who desire general collegiate culture and also those who expect to enter the professions of medicine and teaching.

The work of the second and third terms of the Senior year has been especially arranged for prospective medical students; much of the subject matter of the other courses will likewise conduce to a preparation for the profession of medicine.

Throughout the Biological courses emphasis will be laid upon the economic features of the science and whenever possible such forms of life will be chosen for study as possess economic as well as systematic value. Especial pains will be taken to familiarize the student with those forms of animals, insects, trees and flowers which bear some relation to man. The purpose of the entire Biological Course is to offer such information and present such opportunities to the students as will lead to practical benefit in after life.

Following is a brief outline of the courses offered:

I. **General Biology.** Morphology, habits, life history and classification of representative animal forms, chiefly invertebrates. Emphasis will be laid upon the principles of heredity, the evidence and factors of evolution and the interesting instances of parasitism.

First term, Junior. Two hours recitation, four hours laboratory.

II. **Cryptogamic Botany.** A study of myxomycites—those organisms on the borderland of zoology and botany: algae, fungi, mosses, ferns, etc. Such forms will be selected for study as bear an economic relation to man and special attention will be directed to such forms of fungal life as give rise to the innumerable diseases of cultivated plants. A collection of local ferns will be required.

Second term, Junior. Two hours recitation, four hours laboratory.

III. **Phanerogamic Botany.** A large portion of the time will be spent in the field. Efforts will be made so to familiarize the student with trees, shrubs and flowers that he will be able to recognize, name and classify all such within the region accessible for study. The field work will be supplemented by such laboratory instruction as will be necessary. Additions to the college Herbarium will be made, and personal collections of plant life by the students will be encouraged and required.

Third term, Junior. Two periods per week.

IV. **Sanitary Biology.** Quantitative examination and isolation of the bacteria in water, milk, soil, air, etc., will be made by students taking this course. The cause and prevention of disease, the problem of sewage disposal, the isolation and study of the various forms of algae, microscopic animals and bacteria in various water supplies, etc., are subjects that are included in this course.

First term, Senior. Two hours recitation, four hours laboratory.

V. **Vertebrate Zoology.** Representatives of the great classes of fish, amphibians, reptiles, birds and mammals will be studied and the comparative morphology of the various systems and organs noted. Special emphasis will be laid on the anatomy of mammals. Dissection of various animals will be required and a detailed knowledge of the various systems of one mammal will be obligatory. The evolution of the various organs will be noted and the habits and life histories of the different groups will be studied in so far as time will permit. The course is especially adapted to those students contemplating medical studies. The acquaintance with the structure and habits of so important a portion of the animal kingdom likewise makes the course of great value to the general student.

Second term, Senior. Two hours recitation, four hours laboratory.

VI. **Physiology.** Physiological problems and laboratory experiments relating to the various systems of the body will be taken up. The course is especially designed for those students contemplating the study of medicine.

Second term, Senior. Two hours recitation, four hours laboratory.

VII. **Histology and Embryology.** The principal tissues of some mammal will be studied. The student will also be taught methods of fixing, embedding, sectioning, staining and mounting of tissues.

The origin and development of the various organs of the chick and other mammals; cytology; maturation, fertilization and segmentation of the egg; problems relating to the origin of the germinal layers will be taken up.

Third term, Senior. Two hours recitation, four hours laboratory.

PHYSICAL EDUCATION.

DR. KLINE AND MR. SMITH.

The aim of this department is to guide the normal student to grow symmetrically and to advise the defective who are weak from heredity, poor development or ignorance how to correct these defects.

The tabulations of the present system of medical examinations and physical measurements show the student wherein he exceeds or falls below the average. In addition to the general gymnasium exercises specific directions are given to overcome hereditary or acquired defects. The three-fold record of each student is tabulated and kept by the standard card system and at varying intervals revised by re-examinations.

Classified gymnastics and apparatus work are taught by the physical director, Mr. Smith. The well-equipped FonDersmith Gymnasium, with adjoining baths, dressing room and lockers, is provided for this work.

A large field for base ball, foot ball and tennis courts offers the very best facilities for out-door athletics. Lectures on Social Evils and the Relation of their Effects to Heredity are delivered by the professor in charge. Gymnasium work two hours per week, by Mr. Smith. Required of Sophomores and Freshmen. Elective for Juniors and Seniors.

LITERARY SOCIETIES.

Connected with the institution there are two Literary Societies whose exercises are regarded as a regular part of its curriculum. Every student is required to be a member of one or the other of these, the Euterpean or the Sophronian, and to take part regularly in its exercises. Debates, declamations, speeches, essays, and the like, are required in these societies, and familiarity with the application of parliamentary law is obtained. Excellent libraries belonging to these societies are accessible to the members, and from time to time are increased by liberal additions of current and standard literature. The sessions of the societies are held in their respective halls every Wednesday afternoon during term time, and attendance is obligatory upon the members. Neglect of duty in the Literary Society is regarded as a violation of college regulations, and subjects the offender to college discipline.

SPECIAL LECTURES.

A number of special lectures are delivered during the college year by persons eminent for ability in various directions; these are free to all students and alumni of the institution, and have been largely and profitably attended. This feature will be carefully maintained in the future as a source of instruction in specialties, in recent topics of interest, and for general information upon subjects not embraced in the ordinary department work.

LIBRARY AND READING ROOM.

DR. BAUMAN, LIBRARIAN.

The library consists of three distinct collections, that of the college proper, and those of the two literary societies connected with the institution. These are all in one room, and, though at present separately catalogued, will eventually be supplied with one dictionary card catalogue. The total number of volumes is 17,370. The library is open daily.

The reading room is a large, commodious, well lighted room, furnished with tables and other necessary appliances. Here all students have access to secular dailies, religious weeklies, and monthly periodicals sufficient in number to enable them to keep abreast with the current of events in all departments.

The College Library is increased regularly by purchases, and continuously by donations. Friends of the institution are solicited to donate suitable books to the library, as many have already done, or, still better, to send a donation of money, in large or small sums, to be expended in purchasing necessary books. All such gifts will be promptly acknowledged by the librarian, Prof. J. A. Bauman, Ph.D., to whom they should be addressed.

Books and papers have been received during the year from the following donors, whose kindness is hereby gratefully acknowledged:

Departments of the United States Government.
Departments of the Pennsylvania State Government
American Friends' Peace Conference.
The National Association of Wool Manufacturers.
American Protective Tariff League.
Pennsylvania Forestry Association.
American Humane Society.
New York State Educational Department.
Schoolmasters' Association.
Lake Mohonk Conference.
Lehigh County Historical Society.
Pennsylvania Historical Society.
Pennsylvania Society of Sons of the Revolution.
Lutheran Publication Society.
General Council Publication Board.
Board of Education of Gen. Synod.
National Business League.
Berkshire Athenaeum.
New York Historical Society.
Merchant Marine League.
Anti-Boycott Association.
Anti-Imperialistic League.
American Branch of the Association for International Conciliation.
Hispania Society of America.
Association of Life Insurance Presidents.
Standard Oil Co.
Lutherans in All Lands Co.
National Arbitration and Peace Congress.
Pennsylvania German Society.
Scranton Public Library.
University of Pennsylvania.
Lake Forest University.
University of Chicago.
University of North Carolina.
Lehigh University.
Wittenberg College.
Newberry College.
Carnegie Institute.

Prof. Geo. Lansing Raymond, 12 volumes.
Mr. Chas. E. Webster, English and French Magazines.
Hon. C. M. Depew.
Rev. F. N. D. Buchman.
Levi Smoyer, Esq., 1396 volumes.
Rev. D. E. Schoedler, 15 volumes.
Prof. S. E. Ochsenford, D.D., 10 volumes.
Prof. Gustav Straubenmiller.
Rev. Prof. J. A. W. Haas, D.D.
Chas. D. Boschen.
Jas. M. Swank.
Alfred Ostrom.
Rev. Madison C. Peters.
A. Leibold, 7 volumes.
Jas. A. Searight.
Herbert N. Casson.
G. A. Dobler.
Rev. H. Neumann.
American Book Co.
D. C. Heath & Co.
Chas. Scribner's Sons.
Leach, Shewell and Sanborn.
Funk & Wagnalls.
A. I. Root Co.
Donelly and Sons.
North German Lloyd Bulletin.
The Reading Daily Eagle.
Reading Telegram.
Doylestown Daily Intelligencer.
Lebanon Evening Report.
Northampton Democrat.
Perkiomen Ledger.
Hamburg Item.
Public Libraries.
American Economist.
Our Dumb Animals.
Labor Digest.
Liberty.
American Flag.
The Lutheran.
Der Kirchenbote.

The Lutheran Observer.
The Lutheran Standard.
Der Lutherische Herold.
Lutheran Evangelist.
Der Missionsbote.
The Foreign Missionary.
Lutheran Woman's Work.
Lutheran Mission Worker.
American Industries.
The Penna.-German.
The Luther League Review.
Lutheran Church Review.
Topton Orphans' Home Paper.
Outlook of Missions.
Sweet Charity.
Bible Student and Teacher.

NEW BUILDINGS.

After occupying the buildings situated in the southeastern part of Allentown since 1867, Muhlenberg College has been moved to the western section of the city where it now possesses a site of fifty-five acres of land, on which a commodious modern college-plant has been built.

THE ADMINISTRATION BUILDING.

This building occupies the highest part of the new college grounds, facing south, and is 190 feet long and 65 feet wide, three stories high, with a basement. It is built of a pink granolithic stone, with Indiana lime-stone trimmings, in the English Renaissance style of architecture. The façade shows a central tower, which is flanked with gables on each end, the intervening wall being topped off with dormer windows.

The basement contains a gymnasium with bath and locker-rooms, a basket-ball room, bicycle and coat rooms, lunch room and Physical Director's room. The first floor contains a reception-room, offices for the President and Treasurer, the latter connecting with a fire-proof vault, chapel, and five recitation-rooms.

The second floor contains the library and reading-rooms, physical and biological laboratories, and four recitation-rooms.

The third floor contains two large literary society halls, and rooms for "The Muhlenberg," Press Club, Glee Club, the Missionary Society, museums of geology and botany, and a laboratory of experimental physiology.

The building is of what is known as "slow-burning construction," with iron staircases, heated by steam and lighted with electricity, supplied from a central plant. Its appointments and furnishings are modern throughout.

THE DORMITORIES.

The general scheme of the dormitories is that of a rectangle, following a typical Oxford or Cambridge system. They are divided into sections accommodating from twelve to sixteen students each, and are entered from the quadrangle through separate doorways, each section having its own hall and staircase with rooms on either side. All the sections are supplied on each floor with steam heat, electric light, hot and cold water, shower baths, and toilet-rooms.

The main entrance to the dormitories is flanked with towers which contain, on the first floor, an office, a reception-room, a janitor's room, and a baggage-room.

The front elevation of the principal dormitory is 183 feet long and three stories high. This building is called "Berks Hall," in honor of the Lutherans of Berks County, Pa., who have undertaken to raise $35,000 to pay for its erection. It accommodates seventy-five students.

Mrs. Anna Louisa Rhoads, of Reading, Pa., has contributed $6558.74 for the erection of an additional section along the eastern side of the rectangle as a memorial for her son, John Warren Rhoads.

POWER PLANT.

A completely equipped power-plant furnishes an ample supply of steam heat and electric light for all the buildings on the college grounds. In this building comfortable provision has been made for the chemical laboratory and dissection room.

LUTHER LEAGUE HALL.

The Luther Leagues of the Ministerium of Pennsylvania have undertaken to provide $6500 for an additional section to be erected along the western side of the rectangle, which will shortly be built as "Luther League

Hall." They have secured about two-thirds the cost. Additional sections will be needed as the number of students increases, and any one undertaking the erection of such a section will have the privilege of naming it.

ALUMNI HALL.

The Alumni of the College have begun a fund which, if it assume sufficient proportions, is to be applied to the erection of a building to be known as "Alumni Hall." The fund so far amounts to over $12,000.

The block plan calls for a number of additional buildings, such as a Chapel, Library, Gymnasium, Science Building, Observatory, and Language Building.

The hope is entertained that individuals will provide the means by which these buildings can be erected as memorials.

THE ADMINISTRATION OF THE COLLEGE.

GOVERNMENT.

In the administration of the government of the College, no unnecessary or arbitrary regulations are established, but only such laws are insisted upon as are necessary for the common life of Christian gentlemen. No one whose influence is against the general order of the College can expect to continue in attendance.

As the ultimate aim of all the efforts of the institution is the development of Christian character, and as this can best be called forth by a direct appeal to the student's sense of honor, the so-called honor system will hereafter be followed in the various recitations and examinations, as well as in the general life of the college.

Whenever dismissal is necessitated as the due punishment corresponding to the offense, all advantages are forfeited. Severer discipline is however avoided, if it be in any way possible.

REGISTRATION.

On the first day of the fall term every new student shall report in person at the office of the Treasurer before 1 p. m. and register his full name and home address, as well as the course he expects to take.

A registration fee of $5.00 will be required in advance, which sum shall be credited to the student's account, in case of his admission to College.

ELECTIVES.

On or before June 1st of each year, every student shall hand to the Dean a list of the subjects that he elects for the

following year, which subjects thus become a part of his regular work. All such elections are subject to the approval of the Faculty.

RULES FOR THE DORMITORIES.

All students, except day-students, shall room in the Dormitories, subject to the following rules:

1. There are two Proctors in the Dormitories, to whom students may refer for advice and information.

2. The students of each section shall elect annually (at a meeting called by the Proctor) one of their number to act as Representative, such choice to be subject to the approval of the Faculty.

3. The Representative of each section is responsible to the Senior Proctor for the maintenance of order in his section, and for the enforcement of all rules passed by the authorities.

4. Each student is responsible for the maintenance of order in his own room.

5. Cheering and noisy singing are forbidden, and playing upon loud musical instruments will be allowed only by special permission.

6. No gathering of students that disturbs the quiet of the Dormitories will be allowed except by special permission of a Proctor.

7. No student shall play ball except on the grounds assigned for this purpose.

8. It is *required* that students inviting ladies to their rooms, observe the custom of inviting a chaperon also, unless special explanation be made to a Proctor.

9. Any occupant of the Dormitories desiring to escort ladies to his room shall register at the office his own name and the number of ladies under his escort.

10. Ladies without escort, visiting the Dormitories will be conducted to the Reception Room to await the announcement of their visit.

11. After eight o'clock p. m. no visitors are permitted in the grounds or buildings.

12. Any of these rules may be suspended temporarily, for sufficient cause, by the Senior Proctor.

EXAMINATIONS.

All the classes are examined twice a year, and the results made to count as a proper factor in the class standing.

TERM REPORTS.

Reports of standing in class, conduct, attendance, and the like, are sent to parents or guardians after each examination; and if necessary, special correspondence is had in the intervals.

SCHOLARSHIPS.

Any individual or congregation contributing $1000 to $1500 to the College will receive a permanent scholarship, which secures to the contributor, his assigns, etc., the perpetual right of educating one student in the institution free of expense for tuition and proportionate charges in the Administration Building.

The following is a list of donors having procured such scholarships:

Hon. S. A. Bridges, Allentown, Pa.
James K. Mosser, Allentown, Pa.
Andrew S. Keck, Allentown, Pa.
Thomas Keck, New York, N. Y.
Horatio Trexler, Reading, Pa.
William Saeger, Allentown, Pa.
Alfred G. Saeger, Allentown, Pa.
Charles Burkhalter, New York, N. Y.
Amos W. Potteiger, Reading, Pa.
Mrs. Sarah Miller, Allentown, Pa.
A. Stanley Ulrich, Esq., Lebanon, Pa., and Rev. Aaron Finfrock, Reading, Pa.
A. S. Shimer, Easton, Pa.
John Wagner, Hellertown, Pa.
William A. Arnold, Reading, Pa.
Samuel H. Kutz, Reading, Pa.
Robert H. Sayre, South Bethlehem, Pa.
Henry Stine, Fogelsville, Pa.
Jacob Fegely, Pottstown, Pa.
George H. Reinoehl, Lebanon, Pa.
Edward S. and Sarah Wertz, Reading, Pa.
Charles A. and Annie D. T. FonDersmith, Lancaster, Pa.
John E. Lentz, Allentown, Pa.
Mrs. Caroline Freudenberger, Tamaqua, Pa.

Reuben D. Wenrich, M.D., Wernersville, Pa. This Scholarship has been increased, by the donor, to $1,500.

Rev. Dr. John W. and Mary Sener Rumple Scholarship, endowed by the Rev. John W. Rumple. Value, the interest of $1,500.

St. John's Evangelical Lutheran Church, Allentown, Pa.

Trinity Evangelical Lutheran Church, Reading, Pa., (two owned by the Congregation, and one of $1,250 endowed by the Sunday-school, in memory of Mrs. Sidley).

St. James' Evangelical Lutheran Church, of Reading, Pa., (two owned by the Congregation).

Emanuel Evangelical Lutheran Church, of Pottstown, Pa.

St. John's English Reformed Church, of Allentown, owns the *Frank Erdman Cooper Scholarship,* given to it by C. W. Cooper, Esq., in memory of his son.

The *Luther P. Keller, Jr., Memorial Scholarship,* of St. John's Ev. Lutheran Church, Philadelphia, Pa., was endowed by Luther P. Keller in memory of his son.

The *Henry S. Neff, M.D., Memorial Scholarship,* of St. John's Ev. Lutheran Church, of Philadelphia, Pa., was endowed by George Rugan Neff in memory of his son.

The *Frank Rugan Neff Memorial Scholarship,* of St. John's Ev. Lutheran Church, of Philadelphia, Pa., was endowed by Julietta S. Neff in memory of her son.

The *Henry Melchior Muhlenberg Scholarship* was endowed by Mrs. Mary A. Rogers and Mrs. E. M. Bailey and her son James Muhlenberg Bailey, of New York, in honor of their ancestor, the Patriarch of the Lutheran Church in this country.

The *Henry and Anna Mary Romig Memorial Scholarship* was endowed by Mrs. Isaac Fegely, of Pottstown, Pa., in honor of her parents.

The *Allentown High School Scholarship* is vested in the Public School Board of Control, of Allentown, and is open annually to competition on the part of graduates of the High School.

The *Clemmie L. Ulrich Scholarship* was left by bequest for the use of the Ev. Lutheran Ministerium of Pennsylvania.

Charles Roeller Himmelwright Memorial Scholarship of St. John's Evangelical Lutheran Church, of Quakertown, Pa., endowed by Mrs. Susan Himmelwright in memory of her husband.

The Frank R. Nusbaum Scholarship, of Trinity Evangelical Lutheran Church, Lehighton, Pa., endowed by Mr. Frank R. Nusbaum. Value, the interest of $1,400.

HIGH SCHOOL SCHOLARSHIPS.

The Board of Trustees has also granted scholarships representing an annual credit of $50 for tuition, to the male graduates, prepared to enter any of the courses in College, from the following High Schools:

The Reading High School.

The Lebanon High School.

The Easton High School Scholarship.

THE CHAS. A. SCHIEREN FUND.

This fund is used to defray the tuition, and if necessary the expenses, of students who have in view the English Lutheran Ministry. The income of this fund will become available in a few years.

It is hoped that others will follow these examples, and take individual, memorial, or congregational scholarships, as thereby the owner of such a scholarship, apart from educating his own family, will aid worthy and talented but poor young men in securing an education that may fit them for eminent usefulness, and the congregations may have in perpetual training those of their sons that seek the work of the Gospel ministry.

PRIZES.

During the year the following prizes have been announced, competition for which is subject to the rules of the Faculty, and the assigning of which is in the hands of committees appointed for this purpose. The decision will be announced on Commencement day. Friends of the institution are urged to increase the number of these prizes, especially for the lower classes.

The Amos Ettinger Honor Medal, to be assigned to that member of the Senior Class having attained the highest average grade during the year, in all his studies. Presented by Professor George T. Ettinger, Ph.D. ('80).

The President's Senior Prize. A prize of Ten Dollars to be awarded to that member of the Senior Class writing the best original essay in the department of Philosophy. Subject for 1910: The Inconsistencies of Pantheism. Presented by President J. A. W. Haas, D.D.

The Clemmie L. Ulrich Oratorical Prize. Twenty-five Dollars to that member of the Junior Class making the best speech in English, as to manner and matter, at the Junior Contest. Presented by bequest of Clemmie L. Ulrich, Annville, Pa.

A Second Junior Oratorical prize, given by the class of 1908, to be awarded to the man making the second best speech in English.

The President's Junior Prize. A prize of Ten Dollars to be awarded to that member of the Junior Class presenting the best original essay in the department of English. Subject for 1910: The Structure of the Drama. Presented by President J. A. W. Haas, D.D.

The Reuben D. Wenrich, M.D., Prize. A prize of Ten Dollars to be awarded to that member of the Sophomore Class having attained the highest average grade in all his studies.

The Reuben J. Butz Botanical Prize of Ten Dollars given to that student who makes the best collection of local flora (including ferns). Open to all students of Botany.

The Charles D. Boschen German Prize of Ten Dollars presented to that member of the Sophomore class making the best examination in such special work as may be assigned in the German Department.

The Dr. H. A. Jelly Prize of Five Dollars given to the Scientific student of the Sophomore class doing the best work in Scientific German.

The Freshman Prize in English. A prize of Ten Dollars to be awarded to that member of the Freshman Class presenting the best original essay on some subject based on the preparatory work in English. The object of this prize is to stimulate thorough preparation in English. Subject for 1910: Scott's Lady of the Lake. Presented by Mr. Luther FonDersmith, of Lancaster, Pa.

The Clayton K. Bernheim Biological Prize. A prize of Ten Dollars will be awarded to the student collecting the finest series of local vertebrates (including fish, amphibia, reptiles and mammals). The specimens must be properly classified and labelled. The material collected is to remain as a portion of the Biological Museum.

THE MASTER'S DEGREE.

According to the present rules of the College, graduates of good moral character, who apply for the Master's degree in Arts or Science, must pursue a year's work under the supervision of the Faculty, and present an acceptable typewritten or printed thesis.

DEGREES CONFERRED AT COMMENCEMENT.

At the annual Commencement, held June 17th, 1909, the following Degrees were conferred:

Honorary Degrees.

Doctor of Divinity.—Rev. C. Theodore Benze, President-elect of Thiel College; Rev. A. Alfred Ramsey, Chicago, represented by Rev. Dr. Joseph Stump, Phillipsburg.

Doctor of Letters—Gustav Straubenmueller, Assistant Superintendent of Public Schools of New York City.

Doctor of Laws—Prof. Robert Ellis Thompson, S.T.D., President of the Central High School, Philadelphia.

Master of Arts—Rev. A. T. W. Steinhaeuser, pastor of St. Michael's Lutheran Church.

EXPENSES FOR THE COLLEGIATE YEAR.

IN THE ADMINISTRATION BUILDING.

The expenses in the Administration Building will be $75.00, which includes tuition, the use of the College Library, Reading Room furnished and supplied with current literature by the College, Gymnasium, light, heat, and service. A deposit of $1.00 will be required for a locker key in the gymnasium, which will be refunded when the key is returned.

An athletic fee of $5.00 will be collected annually from each student for the Athletic Association.

Tuition is represented by $50.00, which amount will be credited to those holding scholarships. Those holding scholarships of a larger amount will be credited with the full proceeds of such scholarships on account of expenses in the Administration Building.

Board can be secured at $3.00 to $3.50 per week from boarding houses approved by the College.

The charges for material and the use of instruments in the B. S. course are, for the Freshmen, $6.00; for the Sophomores, $6.00; and for the Juniors and the Seniors, $9.00. All Chemistry students, in all courses, are required to pay a fee of $5.00 and to deposit with the Treasurer $5.00 to cover possible breakages.

For special courses, embracing from one to three subjects of study, the charges will be $25.00 a year.

The scholastic year is divided into two terms for the payment of these charges, which are divided into two equal halves, namely, from September to the end of January, and from the first of February to Commencement. *The College charges of each term must be paid in advance.*

The members of the Senior Class, at the beginning of the second term, pay to the Treasurer an extra fee of five dollars, which will be refunded in case of failure to graduate.

IN THE DORMITORIES.

The room-rent in the Dormitories includes electric light, steam heat, hot and cold water, bath, and service. The rental is always for the whole room or suite, and for the time extending from Monday before the opening of College in September until Saturday after Commencement in June. In case of a double room or double suite, the rent per tenant is one-half the given rent. Students staying on the premises during the day and returning to their homes at night will be assigned either to a double room or to a double suite after all the resident students have been located, and charged one-fourth the rent.

All students must furnish their own rooms, and only iron bedsteads with all iron springs approved by the College are allowed.

The rooms are divided into four classes:

1. Single rooms for one tenant only, where the rent is $55.00.
2. Single suites, a study, and a bedroom, for one tenant only, where the rent is $87.50 on the first and second floors, and $67.50 on the third floor.
3. Double rooms, one large room for two tenants, where the rent is $90.00 on the first and second floors, and $85.00 on the third floor.
4. Double suites, a study, and two bedrooms, where the rent is $140.00 on the first and second floors, and $130.00 on the third floor.

Rules governing the allotment and rental of rooms as well as the requisite application blanks and forms of leases can be secured from the Treasurer of the College.

ENDOWMENTS, BEQUESTS AND DEVISES.

Higher education, in our country, rests largely upon a charitable basis. No institution offering a liberal education can be maintained by the moderate charges made for tuition. The increasing breadth given to such higher education, and the more exalted standard of architectural effect employed in collegiate buildings, increase enormously the resulting financial strain. No such institution can therefore keep

abreast of this ever rising standard of the times without the steady increase of its endowment funds. Muhlenberg College has, in the past, been the recipient of a number of very generous gifts and endowments. But, for the reasons just assigned, it must most earnestly urge its friends and graduates to aid it in furthering its resources, endowing new professorial chairs, founding scholarships, providing funds for the aid of worthy but indigent students, and the other constantly pressing needs of the institution. Attention is also called to the eminent propriety of making bequests to advance the prosperity and widen the usefulness of our institution. As it is important that testamentary papers should be carefully drawn and regularly executed, and our corporation name be written accurately, we append the following forms, respectively for personal property and real estate, indicating whether the bequest is for endowment or the general purposes of the College:

I give and bequeath to "Muhlenberg College," in Allentown, Pennsylvania, and its successors and assigns, forever, the sum of Dollars, to be safely invested by said corporation in good real estate security, and the interest accruing therefrom to be applied to the uses and purposes of said College.

I give and bequeath a certain lot, situated (here described) to "Muhlenberg College," in Allentown, Pennsylvania, and to its successors and assigns, forever, for the uses and purposes of said College, according to the provisions of its charter.

THE ALUMNI ASSOCIATION OF MUHLENBERG COLLEGE.

PRESIDENT: Rev. J. J. Schindel, Allentown, Pa.

VICE-PRESIDENTS: Rev. James O. Schlenker, Hazleton, Pa., Rev. Harry C. Kline, Hamburg, Pa.

Corresponding Secretary and Treasurer: Professor George T. Ettinger, Ph.D., Allentown, Pa.

Recording Secretary: Professor J. A. Bauman, Ph.D., Allentown, Pa.

Board of Managers: Professor George T. Ettinger, Ph.D., Dr. Howard S. Seip, and Reuben J. Butz, Esq.

The object of this Association is to cultivate friendly relations among the alumni and to promote the interests of Muhlenberg College.

Any graduate of Muhlenberg College may become a member by paying a membership fee of $1, and 50 cents annually thereafter.

It is urgently requested that as many of the alumni as possible join the Association, and thus assist in advancing the objects for which it has been established.

The annual meeting is held on Thursday afternoon of Commencement week.

Further information may be had from the Corresponding Secretary.

UNDERGRADUATES.

SENIORS.

John M. Aberly	Classical	Newbern, N. C.
Austin H. S. Ernst	Scientific	Easton, Pa.
Geary E. Everett	Classical	Long Pond, Pa.
G. Howard Gelsinger	Classical	Reading, Pa.
Clayton C. Gernert	Classical	Bath, Pa.
John Hassler	Classical	Womelsdorf, Pa.
Jacob H. Horn	Classical	Hagersville, Pa.
Paul P. Huyett	Classical	Wernersville, Pa.
Martin S. Kleckner	Scientific	Allentown, Pa.
Elbert E. Landis	Classical	Perkasie, Pa.
Curtis A. Miller	Classical	Gratz, Pa.
Karl L. Reisner	Classical	Millersville, Pa.
Arthur H. Schmoyer	Classical	Alburtis, Pa.
George H. Shiery	Classical	Kutztown, Pa.
Asher F. Shupp	Classical	Effort, Pa.
Roy F. Shupp	Classical	Gilbert, Pa.
Kotaro Tanaka	Scientific	Tokyo, Japan.
Robert R. Urich	Classical	Lebanon, Pa.
Leon F. Werley	Philosophy	Breinigsville, Pa.
Josiah A. Werner	Classical	Emaus, Pa.
Nathan B. Y. Yerger	Classical	Oley, Pa.

Seniors, 21.

JUNIORS.

Raymond R. Ammarell	Classical	West Leesport, Pa.
Philip S. Barringer	Classical	Norristown, Pa.
John E. Bauman	Classical	Allentown, Pa.
John H. Bieber	Philosophy	Kutztown, Pa.
William E. Brandt	Classical	Philadelphia, Pa.
Arthur N. Butz	Classical	Allentown, Pa.
Warren L. Eberts	Classical	Bethlehem, Pa.
Charles L. Grant	Classical	Reamstown, Pa.
George B. Hamm	Classical	Allentown, Pa.
John E. Hartzell	Classical	Allentown, Pa.
Robert E. Kline	Philosophy	Allentown, Pa.
Edgar S. Lawall	Scientific	Catasauqua, Pa.
Harvey R. Miller	Scientific	Allentown, Pa.
Roger Rentschler	Classical	Berne, Pa.

Edgar F. Romig	Classical	Allentown, Pa.
Harry G. Stuart	Scientific	Allentown, Pa.
Paul C. Weber	Classical	Latrobe, Pa.
Paul B. Wolper	Classical	Norristown, Pa.
Frederick C. Wunder	Classical	Rochester, N. Y.

Juniors, 19.

SOPHOMORES.

R. Willard Baer	Special	Topton, Pa.
Vincent L. Bennett	Classical	Allentown, Pa.
Henry J. Brobst	Classical	Mahanoy City, Pa.
Walter W. Brossman	Philosophy	Womelsdorf, Pa.
Frederick P. Butz	Classical	Allentown, Pa.
Charles Coleman	Classical	Hegins, Pa.
Langhorne W. Fink	Classical	Hamburg, Pa.
Herbert B. Frederick	Philosophy	Allentown, Pa.
Stanley C. Frederick	Philosophy	Allentown, Pa.
Clark W. Heller	Classical	Wapwallopen, Pa.
James F. Henninger	Classical	Allentown, Pa.
Samuel J. Henry	Classical	Phillipsburg, N. J.
Clarence C. Hummel	Scientific	Nazareth, Pa.
Otto C. Janke	Classical	Williamsport, Pa.
Paul DeB. Keever	Scientific	Utica, N. Y.
Robert G. Kleckner	Classical	Allentown, Pa.
John R. Kline	Classical	Quakertown, Pa.
M. Luther Kresge	Philosophy	Stroudsburg, Pa.
Joseph M. Kuder	Classical	Lehighton, Pa.
Rowland W. Leiby	Scientific	Allentown, Pa.
Adam F. Miller	Classical	Lebanon, Pa.
Ernest J. Reiter	Classical	Richland Centre, Pa.
Walter M. Rentschler	Classical	Shoemakersville, Pa.
Edgar F. Sanders	Philosophy	Allentown, Pa.
Jacob S. Savacool	Classical	Zellersville, Pa.
James B. Schock	Classical	Mt. Zion, Pa.
Henry B. Shelly	Classical	Quakertown, Pa.
Clarence M. Snyder	Classical	Sellersville, Pa.
George P. Stump	Classical	Phillipsburg, N. J.
Carl G. Toebke	Classical	Brooklyn, N. Y.
Clarence C. Troxell	Classical	Cementon, Pa.
Luther F. Waidelich	Classical	Sellersville, Pa.
Harry M. Wertz	Classical	Reading, Pa.

Sophomores, 33.

FRESHMEN.

Chester F. Abbett	Classical	New York, N. Y.
Phares G. Beer	Classical	Perkasie, Pa.
George W. Bixler	Special	Easton, Pa.
Earl W. Bush	Scientific	Royersford, Pa.
Harry P. Cressman	Classical	White Haven.
Bert B. David	Classical	Lehighton, Pa.
Elmer R. Deibert	Classical	Orwigsburg, Pa.
William F. Drehs	Classical	Sassamansville, Pa.
Charles H. Esser	Philosophy	Kutztown, Pa.
Joseph M. Geisinger	Chemistry	Allentown, Pa.
Claude E. Green	Classical	Aquashicola, Pa.
Walter E. Groff	Scientific	Sellersville, Pa.
Ralph P. Holben	Classical	Allentown, Pa.
William L. Katz	Classical	Philadelphia, Pa.
Charles E. Keim	Classical	Nazareth, Pa.
Paul F. Kerstetter	Special	Auburn, N. Y.
Harry S. Klingler, Jr	Philosophy	Butler, Pa.
Wallace R. Knerr	Classical	Frederick, Pa.
Alfred J. Kohler	Philosophy	Kutztown, Pa.
Edgar W. Kohler	Classical	Egypt, Pa.
Raymond J. T. Larash	Classical	Allentown, Pa.
John E. Laub	Scientific	Egypt, Pa
John I. Meck	Classical	Philadelphia, Pa.
Frederick W. Moyer	Chemistry	Allentown, Pa.
Christopher Quinn	Chemistry	Allentown, Pa.
Mark C. Rabert	Biology	Rockdale, Pa.
Conrad J. M. Raker	Scientific	Shamokin, Pa.
Harvey L. Reno	Classical	Allentown, Pa.
Matthias H. Richards	Classical	Lancaster, Pa.
Theodore J. Ritter	Philosophy	Center Square, Pa.
Luther B. Scheehl	Classical	Utica, N. Y.
W. Clarence Schlegel	Scientific	Shamokin, Pa.
Clarence A. Schuler	Special	Allentown, Pa.
Albert H. Skean	Scientific	Pottstown, Pa.
Matthew A. J. Smith	Scientific	Emaus, Pa.
Quintin W. Stauffer	Classical	Alburtis Pa.
Henry A. Wacker	Classical	New York, N. Y.
Frank M. Weida	Special	Allentown, Pa.
Earl Williams	Special	Slatington, Pa.

Freshmen, 39.

POST GRADUATE IN CHEMISTRY.

ALBERT C. H. FASIG.....Reading, Pa.

SATURDAY SCHOOL FOR TEACHERS.

CHARLES H. BILLHEIMER.....Northampton, Pa.
ELVIN S. CROUTHAMEL.....Perkasie, Pa.
EVA J. EDELMAN.....Bath, Pa.
GEORGE A. EICHLER.....Laurys, Pa.
SAMUEL S. FOX.....Alburtis, Pa.
M. L. FRANKENFIELD.....Perkasie, Pa.
S. C. FRANKENFIELD.....Northampton, Pa.
W. A. GENSLER.....Northampton. Pa.
FRANK H. HARTMAN.....Richlandtown, Pa.
MARY E. HECKLER.....Perkasie, Pa.
ELIZABETH HESS.....Bethlehem, Pa.
ROBERT W. IOBST.....Allentown, Pa.
CLARA M. KNERR.....Perkasie, Pa.
ELMER F. MILLER.....Bath, Pa.
WILLIAM H. POMP.....Bethlehem, Pa.
ALBERT C. RUTTER.....Perkasie, Pa.
ANNIE SEIP.....Allentown, Pa.
EGBERT M. SMOYER.....Perkasie, Pa.
JOHN R. WILLIAMS.....Walnutport, Pa.
SALLIE A. WINTERS.....Allentown, Pa.

Saturday School, 20.

SUMMARY.

Seniors	21
Juniors	19
Sophomores	33
Freshmen	39
Post Graduate	1
Saturday School for Teachers	20
Total	133
Students in Allentown Preparatory School	170
	303
Names appearing twice	9
	294

ALLENTOWN PREPARATORY SCHOOL.

Formerly Academic Department of Muhlenberg College.

PREPARATORY SCHOOL BOARD.

(ALSO MEMBERS OF THE CENTRAL EXECUTIVE COMMITTEE.)

REV. J. C. RAUSCH, Allentown, Pa.
REV. W. D. C. KEITER, Bethlehem, Pa.
D. D. FRITCH, M.D., Macungie, Pa.

FACULTY.

AMBROSE A. KUNKLE, A.M.,
Principal and Instructor in Greek and English.

IRVIN M. SHALTER, A.M.,
Instructor in Mathematics, German, and Science.

WARREN W. FRITSCH, A.B.,
Instructor in Languages and History.

WILLIAM B. SHELLY, A.B.,
Instructor in Mathematics and German.

ARTHUR P. GRAMMES,
Instructor of Grammar Department.

CHARLES W. SMITH,
Physical Director.

WILLIAM A. HAUSMAN, M.S., M.D.,
Visiting Physician.

ORGANIZATION.

The management of the Allentown Preparatory School is in the hands of the Principal, the Faculty and the Preparatory Board.

PURPOSE.

1. To prepare students for entrance into the higher institutions of learning.

2. To offer an excellent course for those who intend to enter business upon graduation.

3. To teach the elements of Christian manliness.

NOTE.—Young men will be prepared for the institution of their choice, classical or technical.

LOCATION.

The large and commodious buildings formerly used by Muhlenberg College are now occupied by the Allentown Preparatory School. Situated at Fourth and Walnut Streets, they are easily reached from the railroad stations. The trolley cars pass within a square of our grounds.

GYMNASIUM AND ATHLETICS.

All students of this school are members of the local branch of the Y. M. C. A. This entitles them to the use of one of the best equipped gymnasiums in Pennsylvania. It contains a swimming pool, an excellent running track, and all other apparatus needful for the physical development of the young man. Regular drills, at which attendance is compulsory, are features of our gymnasium work. Football, baseball and basketball are encouraged but not allowed to interfere with the work of the school in general or hinder the progress of the individual student.

SPECIAL FEATURES.

1. Thoroughness: a poor preparation renders a college course a torment rather than a pleasure. We want our young graduates to thank us for having made them work.

2. Careful supervision: each student is the special object of care and attention on the part of the Principal and assistants. He will be under their personal supervision in the class-room, in his room, and in the dining-room.

3. The Allentown Preparatory School is a well conducted boarding school for boys and young men. The healthy moral tone of the school cannot help but strengthen the characters of its pupils.

REGULATIONS.

The school hours are from eight o'clock a. m., to one o'clock p. m. Several periods later in the afternoon are reserved for delinquents.

The students' rooms are furnished with bed, mattress, pillow, table, chair and mirror. Students furnish their own bed-clothing and rugs or carpets.

EXPENSES.

The charges are fair and reasonable and we invite comparison with those of other institutions. The yearly charges for a day student are $70.00. The charges for a boarding student, including tuition, room-rent, board, laundry, etc., are $225. Students furnish their own text books.

The scholastic year is divided into three terms for the payment of these charges. They will be divided accordingly and payment will be due in advance.

GRAMMAR DEPARTMENT.

This department accommodates students from twelve to fourteen years of age. They have their own recitation room and instructors. The department is not large. This fact insures careful attention to the wants of each pupil.

"THE PURPLE AND WHITE."

In January, 1905, the pupils began the publication of a monthly school paper. It reflects the literary work of the School and we shall be glad to forward a copy upon application.

OUR OWN CATALOGUE.

We shall shortly publish our sixth annual catalogue devoted entirely to the interests of the Allentown Preparatory School. Copies of the same will be forwarded upon request. For further and more definite information write to

A. A. KUNKLE, A.M.,
Principal.

STUDENTS.

Enrollment from February 1, 1909, to February 1, 1910, including Summer Session, July and August, 1909.

CHESTER I. ABBETT.....Brooklyn, N. Y.
PAUL FREDERICK ANEWALT.....Allentown, Pa.
ARTHUR HAYWARD ARBOGAST.....Allentown, Pa.
ROLAND WILSON BACHMAN.....Allentown, Pa.
ALLEN FREDERICK BAUMER.....Rittersville, Pa.
ELMER HENRY BAUSCH.....Lynnville, Pa.
DANIEL L. BEBELHEIMER.....Port Carbon, Pa.
1PHARES GROFF BEER.....Perkasie, Pa.
HAROLD FREDERICK BERGSTRESSER.....Emaus, Pa.
ELLIS STANLEY BIERY.....Macungie, Pa.
ALBERT STEIN BLANK.....Allentown, Pa.
GEORGE BOYLE.....Allentown, Pa.
FRANK P. BRENNAN.....Girardville, Pa.
JOHN SHAFFER BROBST.....Allentown, Pa.
DR. J. TREICHLER BUTZ.....Allentown, Pa.
FRANCISCO CARRERAS.....San Juan, Porto Rico.
JOSEPH MAXWELL CARRERE.....Allentown, Pa.
ROBERT MAXWELL CARRERE.....Allentown, Pa.
FLOYD ROMIG CARTY.....Allentown, Pa.
CHARLES DEVINE COLLUM.....Allentown, Pa.
FRED. KEHM CRESSMAN.....Sellersville, Pa.
EDGAR CROUTHAMEL .....Philadelphia, Pa.
JOHN RUSSELL DANNER.....Siegfried, Pa.
GEORGE RAYMOND DAUGHERTY.....Allentown, Pa.
HOWARD EDWARD DEGLER.....Womelsdorf, Pa.
LUTHER PAUL DELONG.....Allentown, Pa.
THEODORE DENISON.....Allentown, Pa.
HARRISON WINEBERT DUBBS.....Emaus, Pa.
GEORGE SHERMAN ECKMAN.....Allentown, Pa.
JOHN LUTHER EISENHARD.....Cementon, Pa.

JOHN REDFIELD ELLIS.....Philadelphia, Pa.
GEORGE H. ERNEY.....Coopersburg, Pa.
HARRY KERN FENSTERMACHER.....Allentown, Pa.
MARTIN DANIEL FETHEROLF.....Jacksonville, Pa.
ALEXANDER BERNARD FISHER.....Allentown, Pa.
JAMES RICHARD FLEXER.....Allentown, Pa.
FRED LOUIS FLOHN.....Allentown, Pa.
HERMAN KERN FOGEL.....Allentown, Pa.
WILLIAM RAYMOND FRITZINGER.....Cementon, Pa.
HENRY JACOB FRY.....Catasauqua, Pa.
CHARLES MILTON FULMER.....Allentown, Pa.
WILLIAM CHARLES FUCHSWANZ.....Philadelphia, Pa.
CHARLES FRANK GALLAGHER.....Allentown, Pa.
CHARLES ADAM GEBERT.....Tamaqua, Pa.
BRAINERD HENRY GEISE.....Allentown, Pa.
EDGAR ALLEN GLASMIRE.....Womelsdorf, Pa.
MICHAEL GLOWA.....Shamokin, Pa.
WAYNE ALVIN EUGENE GOLDSMITH.....Catasauqua, Pa.
CHRISTOPHER JAMES GORMAN.....Allentown, Pa.
2JOSEPH KALBACH GOUNDIE.....Allentown, Pa.
CHARLES HENRY GRABEY.....Pottsville, Pa.
ARTHUR PETER GRAMMES.....Fogelsville, Pa.
JESSE HERBERT GRIESEMER.....Allentown, Pa.
CHARLES ADAM GROSS.....Allentown, Pa.
RALPH EDGAR HAAS.....Allentown, Pa.
ARTHUR JOHN DANIEL HAINES.....Allentown, Pa.
FREDERICK GEORGE HAYWARD.....Halifax, N. S.
EARLE DOUGLAS HOATS.....Allentown, Pa.
CLARENCE FLOYD HOEHLE.....Rittersville, Pa.
WALTER AARON HOFFA.....Dushore, Pa.
CHARLES HENRY HOLZINGER.....Fullerton, Pa.
2WM. EDWIN HORLACHER.....Allentown, Pa.
J. ELLWOOD HORNE.....Newmanstown, Pa.
ANDREW HREBA.....Peckville, Pa.
JOHN HREBA.....Peckville, Pa.
JAMES MOSSER HUEBNER.....Allentown, Pa.
RICHARD VICTOP HUEBNER.....Allentown, Pa.
FORREST FREDERICK JACOB IOBST.....Emaus, Pa.
GEORGE JACOBS.....Hauto, Pa.
MICHAEL JACOBS.....Hauto, Pa.
ALFRED CLARKE JAMES.....Allentown, Pa.

CHARLES EUGENE KEIM.....Nazareth, Pa.
HERBERT RENO KELLER.....Allentown, Pa.
ARTHUR MARTIN KEMMERER.....Coopersburg, Pa.
1PAUL FRANKLIN KERSTETTER.....Auburn, N. Y.
ELMER SYLVESTER KIDD.....Bath, Pa.
CHARLES WILSON KLINE.....Palmerton, Pa.
CLARENCE RAYMOND KLINE.....Allentown, Pa.
HARRY EUGENE KNERR.....Allentown, Pa.
HENRY THOMAS KOCH.....Allentown, Pa.
1EDGAR WILLIAM KOHLER.....Egypt, Pa.
MARTIN RUSSELL KOONS.....Allentown, Pa.
HARVEY FRANKLIN KRATZER.....Catasauqua, Pa.
FRANK KUGLER KRAUSE.....Pottstown, Pa.
PAUL FRITZ KRAUSE.....Limerick, Pa.
GEORGE WASHINGTON KRICK.....Richmond Hill, N. Y.
FRANCIS ADAM KUNKLE.....Slatington, Pa.
HAROLD BOYE KUNSTMAN.....South Bend, Ind.
ERNEST WILLIAM LONG KAMMER.....Catasauqua, Pa.
1RAYMOND JAMES THOMAS LARASH.....Allentown, Pa.
JOHN CARL LEAR.....Allentown, Pa.
ROBERT ORION LEHR.....Allentown, Pa.
ELMER LEBBO LEISEY.....Denver, Pa.
SAMUEL LEWIS.....Allentown, Pa.
MARK KRONINGER LICHTY.....Allentown, Pa.
RAYMOND LOUX.....Allentown, Pa.
JOSEPH C. LYON.....Allentown, Pa.
HAROLD MACADAM.....Catasauqua, Pa.
GEORGE DONALD MARKS.....Allentown, Pa.
ANTONIO MARMOL.....Ica, Peru.
JOHN LEO MCGONIGLE.....Allentown, Pa.
ROBERT F. MEGINNESS.....Lancaster, Pa.
WILLIAM JACOB MEITZLER.....Allentown, Pa.
RAY KLINE MERTZ.....Allentown, Pa.
HENRY J. MESTANZA.....Pisco, Peru.
JAMES LOUIS MOORE.....Emaus, Pa.
AARON RAU MOSSER.....Allentown, Pa.
GEORGE WASHINGTON MOSSER.....Allentown, Pa.
EUGENE MOYER.....Fleetwood, Pa.
RAYMOND ELIAS MUTHARD.....Allentown, Pa.
BRYAN NARCOWICH.....Gilberton, Pa.
RUSSELL MEADE NEFF.....Allentown, Pa.

GOBIN HENRY NORGANG.....Saegersville, Pa.
GEORGE HENRY OTTHOFER.....Lancaster, Pa.
SYDNEY ALBERT PEIFLY.....Neffs, Pa.
PAUL JUDSON PETERS.....Allentown, Pa.
WARREN JOHN PETERS.....Slatington, Pa.
FLORENTINO E. PORTUGAL.....Pisco, Peru.
HERNAN QUINONES .....Pisco, Peru.
MICHAEL SELTZER RANK.....Jonestown, Pa.
HENRY ERNEST RECKNAGEL.....New Britain, Conn.
MARK JEREMIAH REINHARDT.....Allentown, Pa.
WILLIAM DANIEL REINSMITH.....Slatington, Pa.
1HARVEY LUTHER RENO.....Allentown, Pa.
3MARTIN LUTHER RITTER.....Allentown, Pa.
1THEODORE JEREMIAH RITTER.....Center Square, Pa.
OWEN M. ROBERTS.....Slatington, Pa.
ARTHUR JEREMIAH FREDERICK ROTH.....Allentown, Pa.
EARL VICTOR SCHANTZ.....Allentown, Pa.
RICHARD JEREMIAH SCHMOYER.....Allentown, Pa.
1CLARENCE ABNER SCHULER.....Allentown, Pa.
WILLIAM CHARLES SEATON.....Allentown, Pa.
HARVEY THOMAS SELL.....Schnecksville, Pa.
FREDERICK SERR .....Girardville, Pa.
RAYMOND WILFRED SHEELER.....Robesonia, Pa.
WARREN SYLVANUS SHELLY.....Wadsworth, Ohio.
HARRY HERBERT SHIMER.....Allentown, Pa.
HERBERT DANIEL SHOOK.....East Bangor, Pa.
DANIEL ADAM SINGLEY.....Philadelphia, Pa.
CLARENCE EDWIN HENRY SMITH.....Emaus, Pa.
JOHN FLOYD SMITH.....Hamburg, Pa.
4THOMAS LAURENCE SMYTH.....Allentown, Pa.
HENRY LEON SNYDER.....Old Zionsville, Pa.
JAMES T. SNYDER.....Pitman, Pa.
WILLARD EARLE SNYDER.....Allentown, Pa.
CHARLES FREDERICK STEAD.....Williamsport, Pa.
LEWIS MENTZER STORB.....New Holland, Pa.
FREDERICK WILLIAM THAYER.....Dushore, Pa
HARRY ALLEN TRAUT.....Allentown, Pa.
HIRST MOSSER TREXLER.....Allentown, Pa.
JOSEPH RUSSELL UMSTED.....Quakertown, Pa.
ELWOOD JOHN UNANGST.....Nazareth, Pa.
ANTON VON MENGERINGHAUSEN.....York, Pa.

FRED JONATHAN WAIDELICH.....Allentown, Pa.
HENRY WESLEY WALTER.....Allentown, Pa.
LLOYD TROBRIDGE WALTER.....Allentown, Pa.
RAYMOND CHARLES WALTERS.....Rittersville, Pa.
JOHN ADDISON WEISHAMPEL.....Allentown, Pa.
HARRY DAVID WIEAND.....Allentown, Pa.
JOHN GEORGE WILLENBECHER.....Allentown, Pa.
1EARLE CORNELIUS WILLIAMS.....Slatington, Pa.
5ROBERT MORTON WOLFE.....Pottsville, Pa.
WILLIAM BIRKBECK WILMOT.....Allentown, Pa.
JAMES THEODORE WOODRING.....South Bethlehem, Pa.
ALBERT MOSES WUCHTER.....Lynnport, Pa.
DONALD RAMSEY YOUNG.....Macungie, Pa.
MARK SAMUEL YOUNG.....Allentown, Pa.
PAUL FRANCIS YOUNG.....Macungie, Pa.
ROBERT ANEWALT YOUNG.....Allentown, Pa.
HARVEY ALFRED ZINSZER.....Scranton, Pa

Total enrollment (Feb. 1, 1909, to Feb. 1, 1910)..... 170

Total enrollment for the School Year, June 30, 1908, to June 30, 1909 (including Summer Session of 1908)..... 121

Total enrollment June 30, 1909, to Feb. 1, 1910 (including Summer Session of 1909) 128

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(1) Entered Muhlenberg College.
(2) Entered Lehigh University.
(3) Entered Penn State.
(4) Entered Medico Chi of Philadelphia.
(5) Jefferson Medical College of Philadelphia.

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